

AGENDA
BOARD OF CITY COMMISSIONERS
February 21, 2017 AT 6:30 P.M.
COMMISSION CHAMBERS AT CITY HALL
SHAWNEE, OKLAHOMA

CALL TO ORDER

DECLARATION OF A QUORUM

INVOCATION

FLAG SALUTE

All motions will be made in the affirmative. The fact that a commissioner makes or offers a second to a motion does not mean that the commissioner must vote in favor of passage.

1. Consider approval of Consent Agenda:
 - a. Acknowledge staff will proceed in the instant meeting with the opening and consideration of bids as set forth in Agenda Item No. 11.
 - b. Minutes from the February 6, 2017 regular meeting.
 - c. Acknowledge the following minutes:
 - Shawnee Urban Renewal Authority Minutes from October 4, 2016 meeting
 - d. Budget Amendment – Fund 001
Amend budget for leave payouts through February 10, 2017
 - e. Authorize City Manager to execute Grant Agreement with the Avedis Foundation for the Shawnee Trails Project – Phase 2.
 - f. Accept Auditorium HVAC and Lighting Upgrade Project and place bonds and warranties into effect.
 - g. Acknowledge Preliminary 2017-2018 Budget Schedule.
 - h. Mayor's Appointments

Shawnee Planning Commission

Craig Walker 1st Partial Term
Replaces Regena Morton - Resigned

Expires 06/01/2018

2. Citizens Participation

(A three minute limit per person)
(A twelve minute limit per topic)

3. Presentation by City Manager to Employee of the Month, Vicki Files, Municipal Court.
4. Mayor's Proclamation:

"Emergency Management Week"
March 5-11, 2017
5. Presentation of Fiscal Year 2015-2016 Audit.
6. Discussion and presentation by the City Manager of the Community Survey results.
7. Consider OG&E Cost Proposal for providing decorative lighting along the west side of Kickapoo Street from Midland to MacArthur.
8. Consider authorizing staff to solicit bids for construction on the Fire Station #2 renovation project.
9. Presentation by City Attorney regarding conflict of interest.
10. Acknowledge Sales Tax Report received February 2017.
11. Consider Bids:
 - a. Shawnee Convention Center HVAC and Lighting Upgrade Project (Open)
12. New Business

(Any matter not known about or which could not have been reasonably foreseen prior to the posting of the agenda)
13. Commissioners Comments
14. Consider an Executive Session for discussion and possible action on litigation pending against the City of Shawnee by Loran Greenlee (Workers Compensation Court Case No. 2003-3253R) as authorized by 25 O. S. §307(B)(4) on the recommendation of counsel that public discussion would impair the ability of the City Attorney to adequately defend the City.
15. Consider matters discussed in Executive Session regarding pending against the City of Shawnee by Loran Greenlee (Workers Compensation Court Case No. 2003-3253R) as authorized by 25 O. S. §307(B)(4) on the recommendation of counsel that public discussion would impair the ability of the City Attorney to adequately defend the City.
16. Adjournment

Respectfully submitted

Phyllis Loftis, CMC, City Clerk

The City of Shawnee encourages participation from its citizens in public meetings. If participation is not possible due to a disability, notify the City Clerk, in writing, at least forty-eight hours prior to the scheduled meeting and necessary accommodations will be made. (ADA 28 CFR/36)

Regular Board of Commissioners

1. b.

Meeting Date: 02/21/2017

CC Minutes 2-06-2017

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Minutes from the February 6, 2017 regular meeting.

Attachments

CC Minutes 2-06-2017

BOARD OF CITY COMMISSIONERS PROCEEDINGS
FEBRUARY 6, 2017 AT 6:30 P.M.

The Board of City Commissioners of the City of Shawnee, County of Pottawatomie, State of Oklahoma, met in Regular Session in the Commission Chambers at City Hall, 9th and Broadway, Shawnee, Oklahoma, Monday, February 6, 2017 at 6:30 p.m., pursuant to notice duly posted as prescribed by law. Mayor Finley presided and called the meeting to order. Upon roll call, the following members were in attendance.

Richard Finley
Mayor

Dub Bushong
Commissioner Ward 1

Ron Gillham
Commissioner Ward 2

James Harrod
Commissioner Ward 3-Vice Mayor

Darren Rutherford
Commissioner Ward 4

Lesa Shaw
Commissioner Ward 5

Ben Salter
Commissioner Ward 6

ABSENT: None

INVOCATION

Mr. Larry Gill

FLAG SALUTE

AGENDA ITEM NO. 1:

Consider approval of Consent Agenda:

- a. Acknowledge staff will proceed in the instant meeting with the opening and consideration of bids as set forth in Agenda Item No. 11.
- b. Minutes from the January 6, 2017 Special Call meeting and January 17, 2017 regular meeting.
- c. Acknowledge the following reports and minutes:
 - License Payment Report for January 2017
 - Project Payment Report for January 2017
 - Planning Commission Minutes from December 7, 2016 meeting

- d. Budget Amendment – Fund 001
Police and Fire Pension Revenue and Expenses for 2016 amount
- e. Acceptance of donation of Lot 8 and Lot 9, Block 24 of the Choctaw Addition by the Jones Family Company LLC to the City of Shawnee for public use.
- f. Acknowledge appointment of Mayor Richard Finley, Vice-Mayor James Harrod and Commissioner Lesa Shaw to the Strategic Planning subcommittee.
- g. Authorize staff to request bids for the replacement of flooring at the Heart of Oklahoma Exposition Center.
- h. Authorize staff to advertise Request for Proposal for Audit Service Contract.
- i. Authorize staff to advertise for bids for the Avedis/City Sidewalk Project(s).
- j. Authorize City Manager to execute Grant Agreement with the Avedis Foundation for the Heart of Oklahoma Exposition Center Conference Center Remodel Project.
- k. Budget Amendment – Fund 104 Economic Development
Adjust budget for Avedis Grant
- l. Accept public improvements, i.e. paving and drainage, sanitary sewer, and water line for the Wyndemere Addition Section II, placing maintenance bonds into effect, authorizing obtainment of signatures and recording of the final plat.
- m. Acknowledge the resignation of Dell Kerbs from the Planning Commission.
- n. Lake Lease Renewals/Transfers:

TRANSFERS:

Lot 5 Eckel Tract, 15309 Eckel Road

From: Bruce E. Outland

To: Floyd and Delma Murray

Lot 1A Mosler Tract, 33001 Lake Road
From: Shawnee Homebuilders Association
To: Rosewood Farms, LLC

o. Mayor's Appointments

Shawnee Housing Authority

David Tomlinson 1st Full Term Expires 2/4/2020
Replaces Donna Houston – Termed Out

Shawnee Library Board

Marissa Lightsey 1st Partial Term Expires 6/30/2019
Replaces Cherity Pennington – Resigned
Correction to expiration date from 2017 to 2019

Mayor Finley asked that Consent Agenda Item Nos. 1(j) and 1(o), Shawnee Housing Authority appointment, be pulled for separate consideration.

A motion was made by Vice Mayor Harrod, seconded by Commissioner Bushong, to approve the Consent Agenda Item Nos. 1(a-o), less items 1(j) and 1(o), Shawnee Housing Authority appointment. Motion carried 7-0.

AYE: Harrod, Bushong, Gillham, Finley, Rutherford, Shaw, Salter

NAY: None

Regarding Consent Agenda Item No. 1(j), City Manager Justin Erickson explained the item and introduced Avedis Foundation's CEO Ms. Michelle Briggs. Ms. Briggs presented Chris Dunlap, Assistant Director of the Heart of Oklahoma Exposition Center, with a check for \$440,000.00 in matching funds for the remodel of the Heart of Oklahoma Exposition Center Conference Center.

A motion was made by Vice Mayor Harrod, seconded by Commissioner Rutherford, to approve Consent Agenda Item No. 1(j). Motion carried 7-0.

AYE: Harrod, Rutherford, Shaw, Salter, Bushong, Gillham, Finley

NAY: None

Regarding Consent Agenda Item No. 1(o), the appointment to the Shawnee Housing Authority, Mayor Finley stated that he is requesting this appointment be delayed. The Mayor noted that the appointment to the Shawnee Library Board is approved as written.

A motion was made by Vice Mayor Harrod, seconded by Commissioner Rutherford, to delay the Mayor's Appointment of the Shawnee Housing Authority Board. Motion carried 7-0.

AYE: Harrod, Rutherford, Shaw, Salter, Bushong, Gillham, Finley

NAY: None

AGENDA ITEM NO. 2:

Citizens Participation

(A three minute limit per person)

(A twelve minute limit per topic)

Ms. Gail Topping, 619 N. Chapman, spoke regarding several items she is concerned with. Those items included poly carts being left on curbs for extended periods of time, owners or tenants of rental properties leaving excess trash and debris behind, opposition to additional ballfields being built, being in favor of water rationing being enforced year round, and the large quantities of phone books she has received at her address.

Ms. Holly Gordon owner of 112 ½ East Main Street expressed her gratitude for the amazing work on the Downtown Streetscape Project. She also spoke of partnering with other downtown businesses to showcase businesses in the downtown area.

AGENDA ITEM NO. 3:

Presentation, consideration and possible action on proposed changes to City ward boundaries.

City Manager Justin Erickson explained that the previous proposed changes to the City ward boundaries were no longer accurate due to the recent detachment of St. Gregory's University. Mr. Erickson briefly outlined the new changes and asked commission for authorization to proceed with the required legal notice. Commissioner Shaw noted that while staff had made efforts to equalize the population of the wards, Wards Two and Five are getting smaller geographically.

A motion was made by Commissioner Rutherford, seconded by Commissioner Gillham, to authorize staff to proceed with the legal notice regarding proposed ward boundary changes. Motion carried 7-0.

AYE: Rutherford, Gillham, Harrod, Finley, Shaw, Salter, Bushong

NAY: None

AGENDA ITEM NO. 4:

Public hearing and consideration of an ordinance for proposed changes to City ward boundaries. *(Deferred from January 17, 2017 City Commission meeting.)*

No action was taken.

AGENDA ITEM NO. 5:

Consider authorizing staff to enter into a contract with CLS & Associates, LLC for Park Design Services.

Director of Operations James Bryce gave a brief staff report explaining that budgetary concerns have determined that only three parks can be included in the first phase of this project. When additional funds are available, the remaining two parks will be added in the second phase of the project.

A motion was made by Vice Mayor Harrod, seconded by Commissioner Gillham, to authorize staff to enter into a contract with CLS & Associated, LLC for Park Design Services. Motion carried 6-0-1.

AYE: Harrod, Gillham, Finley, Rutherford, Salter, Bushong

NAY: None

ABSTAIN: Shaw

AGENDA ITEM NO. 6:

Consideration of approval to authorize staff to purchase a Pierce Ascendant 107' aerial firefighting apparatus including loose firefighting equipment from Conrad Fire Equipment at a cost of \$982,360.71.

Fire Chief Dru Tischer gave a staff report explaining the Pierce Ascendant 107' aerial firefighting apparatus. He stated the current aerial apparatus would be kept at Fire Station No. 3 for back-up. Mr. Tischer noted that the lifespan of such trucks is about ten years. The delivery time for the firetruck would be close to one year after order.

A motion was made by Commissioner Shaw, seconded by Commissioner Bushong, to authorize staff to purchase a Pierce Ascendant 107' aerial firefighting apparatus including loose firefighting equipment from Conrad Fire Equipment at a cost of \$982,360.71. Motion carried 7-0.

AYE: Shaw, Bushong, Gillham, Harrod, Finley, Rutherford, Salter

NAY: None

AGENDA ITEM NO. 7:

Consideration of approval to authorize staff to purchase a Pierce PUC Pumper firefighting apparatus including loose firefighting equipment from Conrad Fire Equipment at a cost of \$657,102.00.

Staff report was given by Fire Chief Dru Tischer.

A motion was made by Commissioner Bushong, seconded by Commissioner Rutherford, to authorize staff to purchase a Pierce PUC Pumper firefighting apparatus including loose firefighting equipment from Conrad Fire Equipment at a cost of \$657,102.00. Motion carried 7-0.

AYE: Bushong, Rutherford, Shaw, Salter, Gillham, Harrod, Finley

NAY: None

AGENDA ITEM NO. 8:

Consider a resolution to declare a certain Shawnee Police Department vehicle surplus property and authorize the sale of said item for scrap.

A staff report was given by Police Chief Mason Wilson explaining the reason for selling this vehicle for scrap instead of donating it to another agency.

Resolution No. 6532 was introduced.

A RESOLUTION DECLARING A CERTAIN ITEM OF PERSONAL PROPERTY SURPLUS AND NO LONGER NEEDED FOR CITY PURPOSES; DESCRIBING SAID ITEM; AND AUTHORIZING THE SALE OF SAID ITEM FOR SCRAP.

A motion was made by Vice Mayor Harrod, seconded by Commissioner Gillham, to authorize a resolution to declare a certain Shawnee Police Department

vehicle surplus property and authorize the sale of said item for scrap. Motion carried 7-0.

AYE: Harrod, Gillham, Finley, Rutherford, Shaw, Salter, Bushong

NAY: None

AGENDA ITEM NO. 9:

Consider a resolution to surplus a certain Shawnee Police Department vehicle and donate to the Oklahoma Baptist University Police Department.

A staff report was given by Police Chief Mason Wilson detailing the process of donating vehicles to various agencies.

Resolution No. 6533 was introduced.

A RESOLUTION DECLARING A CERTAIN ITEM OF PERSONAL PROPERTY SURPLUS AND NO LONGER NEEDED FOR CITY PURPOSES; DESCRIBING SAID ITEM; AND AUTHORIZING THE DONATION OF SAID ITEM TO THE OKLAHOMA BAPTIST UNIVERSITY POLICE DEPARTMENT.

A motion was made by Vice Mayor Harrod, seconded by Commissioner Rutherford, to approve a resolution to surplus a certain Shawnee Police Department vehicle and donate it to the Oklahoma Baptist University Police Department. Motion carried 7-0.

AYE: Harrod, Rutherford, Shaw, Salter, Bushong, Gillham, Finley

NAY: None

AGENDA ITEM NO. 10:

Consider a resolution to surplus a certain Shawnee Police Department vehicle and donate to the Asher Police Department.

Resolution No. 6534 was introduced.

A RESOLUTION DECLARING A CERTAIN ITEM OF PERSONAL PROPERTY SURPLUS AND NO LONGER NEEDED FOR CITY PURPOSES; DESCRIBING SAID ITEM; AND AUTHORIZING THE CONATION OF SAID ITEM TO THE ASHER POLICE DEPARTMENT.

A motion was made by Commissioner Shaw, seconded by Commissioner Bushong, to approve a resolution to surplus a certain Shawnee Police Department vehicle and donate it to the Asher Police Department. Motion carried 7-0.

AYE: Shaw, Bushong, Gillham, Harrod, Finley, Rutherford, Salter

NAY: None

AGENDA ITEM NO. 11:

Consider Bids:

a. Library Heat Pump Loop and Cooling Tower Project (Award)

Director of Operations James Bryce announced that five (5) bids were received and after review and consideration it was staff's recommendation to award the bid to Lambert Mechanical Inc. of Colgate, Oklahoma in the total amount of \$53,500.00 and the main line replacement as needed for \$20.00/ft. for 4" and \$18.00/ft. for 3". Mr. Bryce then answered questions from the Commission.

A motion was made by Vice Mayor Harrod, seconded by Commissioner Rutherford, to accept staff's recommendation and award the bid to Lambert Mechanical Inc. in the total amount of \$53,500.00 and the main line replacement as needed for \$20.00/ft. for 4" and \$18.00/ft. for 3". Motion carried 7-0.

AYE: Harrod, Rutherford, Shaw, Salter, Bushong, Gillham, Finley

NAY: None

b. Wayfinding Signage Project, Contract No. COS-PW-16-01 (Open)

City Manager Justin Erickson announced that due to an issue with the maintenance bond requirements on the bid specifications, no bids were received for this project. Mr. Erickson stated that the specifications will be amended and the rescheduled bid opening will be at the March 20, 2017 City Commission meeting.

No action was taken.

AGENDA ITEM NO. 12:

City Manager Report

City Manager Justin Erickson gave updates on the following city issues:

- a. The Downtown Streetscape is now complete and Main Street is currently open.

- b. The recent Community Survey has been completed and the results are being tabulated. Mr. Erickson stated that a finalized report will be presented to the City Commission on February 21, 2017.
- c. Announced a Rotary Club grant which will provide shade structures for the Splash Pad at Boy Scout Park.

AGENDA ITEM NO. 13:

New Business (Any matter not known about or which could not have been reasonably foreseen prior to the posting of the agenda)

There was no New Business.

AGENDA ITEM NO. 14:

Commissioners Comments

Commissioner Gillham stated he is happy to have the new Domino service station in town. He announced their Grand Opening is February 9, 2017.

Commissioner Shaw stated she would like to withdraw her request of a stipend for City Commissioners. After research, this request would not be in alignment with other cities of comparable size.

Commissioner Shaw said she is excited about the new Dominos project on 45th Street.

Commissioner Shaw commented on the Governor's plan of decreasing the state sales tax on groceries. She asked Finance Director Cindy Arnold to look into the effect it could have on the City.

Commissioner Shaw mentioned that February is Library Lovers' month at the Shawnee Public Library and asked Ms. Karen Bays, Branch Manager of the Shawnee Public Library, to speak.

Ms. Karen Bays announced several upcoming events at the library.

Mayor Finley addressed the Mayor's Appointments of the Shawnee Housing Authority. He asked if applicants can be posted on the City's website so citizens are aware of the applicants before the City Commission meetings.

Mayor Finley also commented on Pottawatomie County Development Authority (PCDA). He stated that a previous City Commission made a decision to contract with the City of McLoud for management of the recreation of Wes Watkins Lake. He noted that McLoud would like to continue the management

relationship with the City. Mayor Finley stressed that the issue is only in the fact-gathering stage at this time.

RECESS CITY COMMISSION MEETING BY THE POWER OF THE CHAIR
TO CONVENE SHAWNEE AIRPORT AUTHORITY AND SHAWNEE
MUNICIPAL AUTHORITY (7:29 p.m.)

RECONVENE CITY COMMISSION MEETING BY THE POWER OF THE
CHAIR (7:31 p.m.)

AGENDA ITEM NO. 15: Discussion, consideration and possible
action to go into Executive Session for
discussion in accordance with 25 O.S.
§307B(3), purchase or appraisal of real
property.

A motion was made by Commissioner Rutherford, seconded by
Commissioner Gillham, to enter into executive session for discussion in
accordance with 25 O.S. § 307B(3), purchase or appraisal of real property. Motion
carried 7-0.

AYE: Rutherford, Gillham, Harrod, Finley, Shaw, Salter, Bushong
NAY: None

COMMISSION ENTERED INTO EXECUTIVE SESSION AT 7:32 P.M. WITH
ALL MEMBERS PRESENT

COMMISSION RECONVENED FROM EXECUTIVE SESSION AT 7:55 P.M.
WITH ALL MEMBERS PRESENT

AGENDA ITEM NO. 16: Consider matters discussed in Executive
Session in accordance with 25 O.S.
§307B(3), purchase or appraisal of real
property.

A motion was made by Vice Mayor Harrod, seconded by Commissioner
Bushong, to authorize the City Manager to enter into a contract to purchase real
property at or below fair market value in the amount discussed and to undertake

due diligence tasks associated with the property, provided that final authorization for purchase shall be brought back to the Commission. Motion carried 6-1.

AYE: Harrod, Bushong, Gillham, Finley, Rutherford, Salter

NAY: Shaw

Commissioner Shaw stated she feels the purchase is probably necessary but cannot agree with the way the motion is written.

AGENDA ITEM NO. 17: Adjournment

There being no further business to be considered, the meeting was adjourned by power of the Chair. (7:58 p.m.)

RICHARD FINLEY, MAYOR

ATTEST:

PHYLLIS LOFTIS, CMC, CITY CLERK

Regular Board of Commissioners

1. c.

Meeting Date: 02/21/2017

Acknow Minutes

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Acknowledge the following minutes:

- Shawnee Urban Renewal Authority Minutes from October 4, 2016 meeting

Attachments

SURA Minutes 10-04-2016

SHAWNEE URBAN RENEWAL AUTHORITY MINUTES OF OCTOBER 4, 2016

The Board of Commissioners of the ***Shawnee Urban Renewal Authority*** met for a regular meeting Tuesday, October 4, 2016 at 9:00 a.m. in the CDBG Conference Room, 227 N. Broadway, Suite C, Shawnee, Oklahoma.

Vice-Chairman Monte Cockings called the meeting to order at 9:05 a.m.

AGENDA ITEM NO. 2

ROLL CALL:

Roll call was taken showing the following members present:

Commissioner	Monte Cockings
Commissioner	Larry Gill
Commissioner	Stephen Rice
Commissioner	Renee' Wortham

Absent:	Chairman	Tiffany Barrett
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Guest:	Stacy Wright	Leadership Shawnee
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Also present:

Justin Debruin, Planning Director
Bryan Logan, CDBG Program Manager, SURA
Karen Drain, Secretary, SURA
Elaine Shrum, Administrative Specialist, SURA

A quorum was declared.

AGENDA ITEM NO. 3

APPROVAL OF MINUTES:

A motion to approve the minutes of July 5, 2016 was made by ***Commissioner Gill***, seconded by ***Commissioner Rice***. Motion carried with no abstentions.

VOTING YES:	Cockings, Gill, Rice and Wortham
VOTING NO:	None

AGENDA ITEM NO. 4
APPROVAL OF CLAIMS:

A motion to approve claims totaling \$ 21,264.69 was made by **Commissioner Rice**, seconded by **Commissioner Gill**. Motion carried with no abstentions.

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

AGENDA ITEM NO. 5.
REQUEST FOR APPROVAL:

A motion to approve the 2017 Schedule of Quarterly Regular Meetings was made by **Commissioner Gill**, seconded by **Commissioner Rice**. Motion carried with no abstentions.

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

AGENDA ITEM NO. 6
REQUEST FOR ASSISTANCE:

Bryan Logan, CDBG Program Manager reported on the following requests for assistance:

a) Emergency Assistance: Cynthia Butler, 314 N. Park

A motion to approve the request for assistance was made by **Commissioner Rice**, seconded by **Commissioner Gill**. Motion carried with no abstentions

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

b) Emergency Assistance: Sam & Melanie Roberts, 615 N. McKinley

A motion to approve the request for assistance was made by **Commissioner Rice**, seconded by **Commissioner Gill**. Motion carried with no abstentions

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

c) Home Repair: Ronnie & Norma Smith, 1310 E. Edwards

A motion to approve the request for assistance was made by ***Commissioner Gill***, seconded by ***Commissioner Rice***. Motion carried with no abstentions

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

**d) Home Repair: Sonya Winders & Tommy Stephenson,
715 N. Broadway**

A motion to approve the request for assistance was made by ***Commissioner Rice***, seconded by ***Commissioner Gill***. Motion carried with no abstentions

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

e) Emergency Assistance: Calvin Franklin, 905 N. Center

A motion to approve the request for assistance was made by ***Commissioner Gill***, seconded by ***Commissioner Rice***. Motion carried with no abstentions

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

**f) Emergency Assistance: Patsy Bryan Sharp & Pamela Thompson,
140 S. Dixon**

A motion to approve the request for assistance was made by ***Commissioner Rice***, seconded by ***Commissioner Gill***. Motion carried with no abstentions

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None

**AGENDA ITEM NO. 7
UPDATE ON BID OPENINGS:**

Bryan Logan, CDBG Program Manager reported the following results:

- a) Emergency Assistance: Steven Hazelton & Jack Burdick,
1922 N. Minnesota**

Bid Awarded to: PowerLift

- b) Emergency Assistance: Chris & Heidi Hoyt, 1418 Thompson Dr.**

Bid Awarded to: LG Construction

- c) Emergency Assistance: James & Debra Wick, 320 N. Louisa**

Bid Awarded to: LG Construction

- d) Emergency Assistance: Sam & Melanie Roberts, 615 N. McKinley**

Bid Awarded to: Patterson Roofing

- e) Emergency Assistance: Zella Jarvis, 223 S. Draper**

Bid Awarded to: David VanBrunt

- f) Home Repair: Sonya Winders & Tommy Stephenson, 715 N. Broadway**

Bid Awarded to: Statewide Roofing

**AGENDA ITEM NO. 8
OLD BUSINESS:**

There was no Old Business.

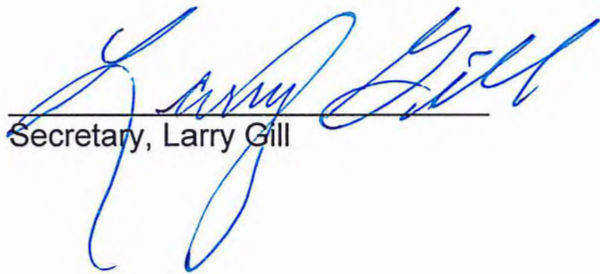
**AGENDA ITEM NO. 9
NEW BUSINESS:**

There was no New Business.

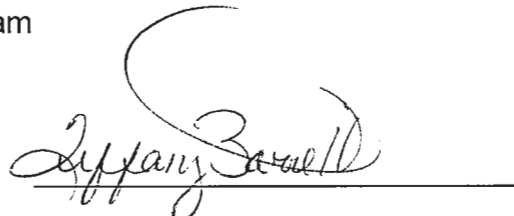
AGENDA ITEM NO. 10
ADJOURNMENT

There being no further business to come before the Board at this time, a motion to adjourn at 9:30 was made by **Commissioner Gill** seconded by **Commissioner Rice**. Motion carried with no abstentions.

VOTING YES: Cockings, Gill, Rice and Wortham
VOTING NO: None



Secretary, Larry Gill



~~Vice-Chairman, Monte Cockings~~
Tiffany Barrett

Regular Board of Commissioners

1. d.

Meeting Date: 02/21/2017

Budget Amd Fund 001

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Budget Amendment – Fund 001

Amend budget for leave payouts through February 10, 2017

Attachments

Budget Amd Fund 001

City of Shawnee
Budget Amendment
FUND 001
February 21, 2017

Estimated Revenue, Fund Balance, or Transfers IN

Fund Number	Account Number	Project Code	Line Item	Description	Balance Before Amendment	Amount of Amendment Increase (Decrease)	Balance After Amendment
001	3001			Fund Balance	4,924,000.00	(52,250.05)	4,871,749.95
					-		
				Total	-	(52,250.05)	4,871,749.95

Appropriations

Fund Number	Account Number	Project Code	Line Item	Description	Balance Before Amendment	Amount of Amendment Increase (Decrease)	Balance After Amendment
001	5-0660-5101			REGULAR SALARIES	535,632.00	2,822.81	538,454.81
001	5-0660-5111			FICA	41,532.00	168.15	41,700.15
001	5-0660-5112			MEDICARE	8,331.00	39.32	8,370.32
001	5-1210-5101			REGULAR SALARIES	234,000.00	1,096.12	235,096.12
001	5-1210-5111			FICA	16,244.00	67.96	16,311.96
001	5-1210-5112			MEDICARE	4,035.00	15.89	4,050.89
001	5-0320-5101			REGULAR SALARIES	172,389.00	404.99	172,793.99
001	5-0320-5111			FICA	15,762.00	25.11	15,787.11
001	5-0320-5112			MEDICARE	3,686.00	5.87	3,691.87
001	5-0810-5101			REGULAR SALARIES	315,819.00	321.18	316,140.18
001	5-0810-5111			FICA	19,940.00	19.91	19,959.91
001	5-0810-5112			MEDICARE	4,663.00	4.66	4,667.66
001	5-0610-5101			REGULAR SALARIES	412,509.00	2,374.42	414,883.42
001	5-0610-5111			FICA	20,975.00	147.21	21,122.21
001	5-0610-5112			MEDICARE	6,416.00	34.43	6,450.43
001	5-0720-5101			REGULAR SALARIES	2,283,483.00	37,898.89	2,321,381.89
001	5-0720-5112			MEDICARE	40,361.00	549.53	40,910.53
001	5-0640-5101			REGULAR SALARIES	144,794.00	5,809.20	150,603.20
001	5-0640-5111			FICA	9,684.00	360.17	10,044.17
001	5-0640-5112			MEDICARE	2,265.00	84.23	2,349.23
					-	-	-
					4,292,520.00	52,250.05	4,344,770.05

Approved by the City Commission this
 02/21/2017

Explanation of Budget Amendment:
 To amend budget for leave payouts through 02/10/2017

Approved:

Mayor _____

Attest: _____

City Clerk _____

Posted By _____ Date _____ BA# _____ Pkt.# _____

Regular Board of Commissioners

1. e.

Meeting Date: 02/21/2017

Avedis Trails Grant

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Authorize City Manager to execute Grant Agreement with the Avedis Foundation for the Shawnee Trails Project – Phase 2.

Attachments

Avedis Trails Grant

**AVEDIS FOUNDATION
GRANT AGREEMENT**

("Grantee"), I _____, on behalf of the **City of Shawnee**, the authorized agent and legal representative of Grantee, do hereby accept the grant from Avedis Foundation in the amount of **\$1,750,000.00** for **Shawnee Trails Project-Phase 2** and agree to comply with the following terms and conditions:

- (1) The grant will be used by Grantee solely for the purpose of the approved grant request. Any request for substantive changes in the use of the grant monies must be submitted to Avedis Foundation and approved in writing prior to any such use.
- (2) Any monies not used for the stated purposes of the grant will be returned promptly to Avedis Foundation.
- (3) **\$350,000.00 for Year 1 will be dispersed upon signing of this agreement, \$350,000.00 will be funded in Year 2, \$350,000.00 will be funded in Year 3, \$350,000.00 will be funded in Year 4, and \$350,000.00 will be funded in Year 5, for a total of \$1,750,000.00 as approved by the Avedis Foundation.** Any portion of the grant unexpended by Grantee by the end of Year 5 shall be returned to the Avedis Foundation, unless otherwise agreed upon by both parties.
- (4) Spending and progress reports will be required on the funded projects. The Grantee hereby agrees to respond promptly to requests from Avedis Foundation for reports detailing the use of the granted funds. Further, Avedis Foundation representatives shall have reasonable access during business hours to files, records, accounts and personnel that are associated with this grant, for the purpose of conducting financial reviews, verifications or program evaluations as may be deemed necessary by Avedis Foundation.
- (5) Additional requirements:
 - a. Grantee will obtain a minimum of 2 bids on each project.
 - b. Grantee will obtain prior approval from Avedis Foundation for any proposed publicity concerning the grant.

I further certify that our 501(c)(3) status with the Internal Revenue Service, as reflected in our grant application, remains in full force and effect and that we are not a private foundation within the meaning of section 509(a) of the Internal Revenue Code. Grantee shall immediately give written notice to the Avedis Foundation if, prior to receipt of all or any portion of the grant, said organization ceases to be exempt from federal income taxes under the provisions of Section 501(c)(3) of the Internal Revenue Code or becomes a private foundation under Section 509(a) of the Code.

I understand that any grant dollars received can affect the IRS public support test as calculated on Schedule A, Part IV-A of Form 990, and that failure of the public support test may cause a publically supported charity to be reclassified as a Private Foundation by the IRS.

Avedis Foundation reserves the right to discontinue, modify or withhold any payments to be made under this grant award or to require a total or partial refund of any grant funds, if it, in Avedis Foundation's sole discretion, such action is necessary: (1) because Grantee has not fully complied with the terms and conditions of this grant; (2) to protect the purpose and objectives of the grant or any other charitable activities of Avedis Foundation; or (3) to comply with any law or regulation applicable to the Grantee, to Avedis Foundation, or the grant.

Organization's Name: **CITY OF SHAWNEE**

Signature: _____
Name (printed) _____
Title: _____
Date: _____

The foregoing instrument was acknowledged before me, this _____ day of _____, 2016, by _____. My commission expires: _____.

Signature of Notary: _____

Regular Board of Commissioners

1. f.

Meeting Date: 02/21/2017

Accept Audi HVAC

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Accept Auditorium HVAC and Lighting Upgrade Project and place bonds and warranties into effect.

Attachments

Accept Audi HVAC Memo

Accept Audi HVAC Final Pymt

Accept Audi HVAC Bonds & Ins

Accept Audi HVAC Warranties



Office of the Director of Operations

Date: February 15, 2017, 2017
To: Mayor and City Commissioners
From: James Bryce, Director of Operations

RE: Auditorium HVAC and lighting upgrade project

Nature of the Request:

Acceptance of the Auditorium HVAC and lighting upgrade project and placing the bonds and warranties into effect.

Staff Analysis, Considerations:

The Auditorium HVAC and Lighting upgrade project has been completed and inspected. Architect has been through the project and created a punch list to which the contractor has completed. The new system has been up and running for about a month with no problems. Contractor has trained staff on how to control the system, filter location and cleaning, and the dos and don'ts of the system.

Recommendation:

It is staff's recommendation to accept the project and pay the contractor their final payment and place the bonds and warranties into effect.

Budget Consideration:

Final payment amount of \$71,795.13 from account# 501 5-1020-5430 625 1020-01

Application For Payment

Page 1 of 2

To Owner: CITY OF SHAWNEE	Project: MUNICIPAL AUDITORIUM HVAC CITY OF SHAWNEE MUNICIPAL AUDITORIUM SHAWNEE, OK	Application Date	Period To	Contract Date
		2/15/17	1/31/17	5/03/16
From Contractor: Jim Cooley Construction, LLC P.O. BOX 54619 OKLAHOMA CITY, OK 73154-1619	Via Architect:	Application Number		Project Number
		5		21608
Contract For:		Distribution	Owner	
			Architect	
			Contractor	

Contractor's Application for Payment

Application is made for payment, as shown below, with attached Continuation Sheet(s).

- Original Contract Amount: \$ 555 175.00
- Net of Change Orders: \$ 0.00
- Net Amount of Contract: \$ 555 175.00
- Total Completed & Stored to Date: \$ 555 175.00
- Retainage Summary:
 - 0.00 % of Completed Work: \$ 0.00
 - 0.00 % of Stored Material: \$ 0.00

Total Retainage: \$ 0.00
- Total Completed Less Retainage: \$ 555 175.00
- Less Previous Applications: \$ 483 379.87
- Current Payment Due, This Application: \$ 71 795.13
- Contract Balance (Including Retainage): \$ 0.00

Change Order Activity	Additions	Deductions
Total previously approved:	0.00	0.00
Total approved this Month:	0.00	0.00
Sub-totals:	0.00	0.00
Net of Change Orders:	0.00	

Contractor's Certification

The Contractor's signature here certifies that, to the best of their knowledge, this document accurately reflects the work completed in this Application for Payment. The Contractor also certifies that all payments have been made for work on previous Applications for Payment and also that the Current Payment is Due.

(Authorized Signature)

Jim Cooley Construction, LLC Date 2/15/17

State of OKLAHOMA

County of OKLAHOMA

Subscribed and sworn to before

me this 15th day of February, 2017.

Notary Public:

My Commission expires: 11-18-19



LINDA L. MARTIN

Notary Public
State of Oklahoma

Commission # 13010443 Expires 11/18/19

Architect's Certification

The Architect's signature here certifies that, based on their own observations, the Contract Documents and the information contained herein, this document accurately reflects the work completed in this Application for Payment. The Architect also certifies the Contractor is entitled to the amount certified for payment.

Amount Certified: \$ 71,795.13

[Signature]
(Architect's Signature)

Date: 02/15/2017

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FOSDICK & HILMER, INC.

Application for Payment - Continuation Sheet

Page 2 of 2

From: Jim Cooley Construction, LLC
P.O. BOX 54619
OKLAHOMA CITY, OK 73154-1619

To: CITY OF SHAWNEE

Project: (21608) MUNICIPAL AUDITORIUM HVAC

Application Number: 5
Application Date: 2/15/17
Period To: 1/31/17
Contract Date: 6/03/16
Project Number: 21608

A Item No.	B Description of Work	C Contract Value	D Work Completed		E Materials Presently Stored (Not in D or E)	F Total Completed and Stored To Date (D+E+F)	G % (G / C)	H Balance To Finish (C - G)	I Retainage (If Variable Rate)
			From Previous Application	This Period					
1	BONDS	7 995.00	7 995.00			7 995.00	100.00%		
2	INSURANCE	16 655.00	16 655.00			16 655.00	100.00%		
3	SUBMITTALS	1 800.00	1 800.00			1 800.00	100.00%		
4	GENERAL CONDITIONS	38 500.00	32 243.75	6 256.25		38 500.00	100.00%		
5	O & M MANUALS	1 500.00		1 500.00		1 500.00	100.00%		
6	TEMPORARY WALKWAYS	14 900.00	14 900.00			14 900.00	100.00%		
7	DEMOLITION OF CEILING	9 900.00	9 900.00			9 900.00	100.00%		
8	DEMO DUCTWORK	18 675.00	18 675.00			18 675.00	100.00%		
9	DEMO EQUIPMENT	13 600.00	13 600.00			13 600.00	100.00%		
10	DEMO SIDEWALKS	850.00	850.00			850.00	100.00%		
11	DEMO ELECTRICAL CONNECTS	8 600.00	8 600.00			8 600.00	100.00%		
12	DEMO LIGHTING	11 300.00	11 300.00			11 300.00	100.00%		
13	CONCRETE	1 300.00	1 300.00			1 300.00	100.00%		
14	MISC STEEL	3 250.00		3 250.00		3 250.00	100.00%		
15	CARPENTRY : FRAMED OPENING	4 900.00	4 900.00			4 900.00	100.00%		
16	NEW ACOUSTIC CEILING TILE	16 000.00	16 000.00			16 000.00	100.00%		
17	SPRINKLER SYSTEM	3 200.00		3 200.00		3 200.00	100.00%		
18	HOT WATER HEATER	2 800.00	2 800.00			2 800.00	100.00%		
19	DUCTWORK	32 000.00	31 680.00	320.00		32 000.00	100.00%		
20	AIR DISTRIBUTION	2 800.00	2 800.00			2 800.00	100.00%		
21	AIR DISTRIBUTION INSTALL	1 400.00	1 400.00			1 400.00	100.00%		
22	HVAC INSULATION	43 500.00	42 630.00	870.00		43 500.00	100.00%		
23	HVAC EQUIPMENT	143 400.00	143 400.00			143 400.00	100.00%		
24	HVAC EQUIP INSTALL	28 700.00	28 700.00			28 700.00	100.00%		
25	REFRIGERANT PIPING MATERIAL	7 800.00	7 800.00			7 800.00	100.00%		
26	REFRIGERANT PIPING	29 200.00	29 200.00			29 200.00	100.00%		
27	HVAC CONTROLS	1 950.00	1 950.00			1 950.00	100.00%		
28	EQUIP START UP	3 800.00	3 610.00	190.00		3 800.00	100.00%		
29	TEST & BALANCE	2 500.00		2 500.00		2 500.00	100.00%		
30	ELECTRICAL ROUGH IN	19 400.00	19 400.00			19 400.00	100.00%		
31	ELECTRICAL SWITCH GEAR	8 900.00	8 900.00			8 900.00	100.00%		
32	ELECTRICAL WIRE & DEVICES	29 400.00	29 400.00			29 400.00	100.00%		
33	ELECTRICAL FIXTURES	24 700.00	24 700.00			24 700.00	100.00%		
Grand Total		555 175.00	537 088.75	18 086.25	0.00	555 175.00	100%	0.00	0.00

Printed using A-Systems JobView 15.1 (www.a-systems.net)

Jim Cooley Construction, LLC

Cooley 02/15/17

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: we, the undersigned

Jim Cooley Construction, LLC. as Principal, and

North American Specialty Insurance Company as Surety.

are hereby held and firmly bound unto the CITY OF SHAWNEE, OKLAHOMA, as OWNER in
Five Hundred Fifty Five Thousand One Hundred Seventy Five and 00/100 (\$555,175.00)
the penal sum of _____ for the payment of which, well and truly to

be made, we hereby jointly and severally bind ourselves, successors and assigns.

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.
IN WITNESS WHEREOF, this instrument is executed in three (3) counterparts each one of which shall be deemed an original.

Signed, this 13th day of May, 2016.

Jim Cooley Construction, LLC.

By: _____

Principal

1900 NE 36th St, Suite 100B, Oklahoma City, OK 73111

Address

ATTEST:

Mary C Karls
asst Secretary

Seal (If Corporation)



Witness (To Principal)

1900 NE 36th St, Suite 100B, Oklahoma City, OK 73111

Address

North American Specialty Insurance Company

Surety

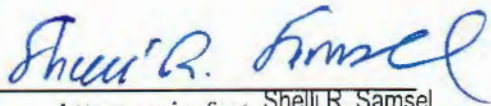
ATTEST:

N/A

Secretary (Surety)

Seal


Witness (To Surety) Debbie Raper


Attorney-in-fact Shelli R. Samsel

9401 Cedar Lake Avenue

Address

Oklahoma City, OK 73114-7810

650 Elm Street

Address

Manchester, NH 03101

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS: we, the undersigned
Jim Cooley Construction, LLC. as Principal, and
North American Specialty Insurance Company a corporation organized
under the laws of the State New Hampshire and authorized to transact business
in the State of Oklahoma, as Surety, are hereby held and firmly bound unto the
CITY OF SHAWNEE, OKLAHOMA, as OWNER
Five Hundred Fifty Five Thousand One Hundred Seventy Five and 00/100 (\$555,175.00)
in the penal sum of _____ for the payment of which,
well and truly to be made, we hereby jointly and severally bind ourselves,
successors and assigns, by these presents.

The condition of this obligation is such that:

WHEREAS, said Principal entered into a written CONTRACT with the CITY OF
SHAWNEE, OKLAHOMA, dated May 3, 2016, for the **Auditorium HVAC**
Project; all in compliance with the plans and specifications therefore, made a part of said
CONTRACT and on file in the office of the City Clerk, City of Shawnee, 16 W. 9th, P. O. Box
1448, Shawnee, OK 74802-1448.

NOW, THEREFORE, if said Principal shall fail or neglect to pay all indebtedness incurred by
said Principal or subcontractors of said Principal who perform work in the performance of such
contract, for labor and materials and repairs to and parts for equipment used and consumed in the
performance of said contract within thirty (30) days after the same becomes due and payable, the
person, firm, or corporation entitled thereto may sue and recover on this bond, the amount so due
and unpaid.

In WITNESS WHEREOF, the said Principal has caused these presents to be executed in its
name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said
Surety has caused these presents to be executed in its name and its corporate seal to be hereunto
affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

Signed, this 13th day of May, 2016

Jim Cooley Construction, LLC.

ATTEST:

Mary C Karbo
Asst Secretary



By:

Principal

36th St, Suite 100B, Oklahoma City, OK 73111

Address

Seal (If Corporation)

Witness (To Principal)

ATTEST:

N/A

Secretary (Surety)

Seal



Witness (To Surety) Debbie Raper

9401 Cedar Lake Avenue

Address

Oklahoma City, OK 73114-7810

1900 NE 36th St, Suite 100B, Oklahoma City, OK 73111

Address

North American Specialty Insurance Company

Surety



Attorney-in-fact Shelli R. Samsel

650 Elm Street

Address

Manchester, NH 03101

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

JOHN K. DEER, VAUGHN P. GRAHAM, VAUGHN P. GRAHAM, JR., STEPHEN M. POLEMAN, SUSANNE CUSIMANO
TRAVIS E. BROWN, DEBORAH L. RAPER, JAMIE BURRIS, SHELLI R. SAMSEL, ROBBIE LOYD, and MARK D. NOWELL

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

"RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By [Signature]
Steven P. Anderson, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company



By [Signature]
Michael A. Ito, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 18th day of November, 2014.

North American Specialty Insurance Company
Washington International Insurance Company

State of Illinois
County of Cook

ss:

On this 18th day of November, 2014, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Michael A. Ito, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature]
M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 13th day of May, 2016.

[Signature]
Jeffrey Goldberg, Vice President & Assistant Secretary of
Washington International Insurance Company & North American Specialty Insurance Company



JIMCO-4

OP ID: V2

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

05/11/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER RICH & CARTMILL - OKC 9401 Cedar Lake Avenue OKLAHOMA CITY, OK 73114 Larry K Mitchell	CONTACT NAME: Shirlene Chambers		
	PHONE (A/C, No, Ext): 405-418-8606	FAX (A/C, No): 405-418-8641	
	E-MAIL ADDRESS: schambers@rcins.com		
INSURED Jim Cooley Construction, LLC P O Box 54619 Oklahoma City, OK 73154	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: National Fire Ins Co of Hart		20478
	INSURER B: Continental Insurance		35289
	INSURER C: Valley Forge Ins Co.		20508
	INSURER D: Charter Oak Fire Ins Company		25615
	INSURER E:		
INSURER F:			

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR \$1,000 Property Damage Deductible GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:			4024849871	07/01/2015	07/01/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 200,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	☒ AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS			4024849854	07/01/2015	07/01/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	☐ UMBRELLA LIAB ☐ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☐ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
C	☐ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	4024849868	07/01/2015	07/01/2016	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	☐ Builders Risk \$5,000 Deductible			QT6604306B610TIL14 \$15,000 FOR WIND/HAIL DED	07/01/2015	07/01/2016	Per Bldg 5,000,000 Frame Lmt 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: **Shawnee Municipal Auditorium HVAC Project**

CERTIFICATE HOLDER

CANCELLATION

City of Shawnee
PO Box 1448
Shawnee, OK 74802-1448

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2014 ACORD CORPORATION. All rights reserved.



WORK WARRANTY CERTIFICATE

We hereby certify that the installation and materials comply with the requirements of this project.

As per Specifications 23.00-10 item Warranty 1.16 City of Shawnee Auditorium HVAC Renovations shall be free from defects in workmanship and material under normal use & service for a period of 12 months from owner/architect date of acceptance.

Marty Russell- Project Manager

LIMITED WARRANTY STATEMENT

Mitsubishi Electric CITY MULTI® Split Air-conditioner and Heat-pump Systems

Subject to the terms and conditions of this Limited Warranty, the Cooling & Heating Division of MITSUBISHI ELECTRIC US, INC. ("MEUS") warrants to the original purchaser of this CITY MULTI system ("System") purchased on or after **April 1, 2015**, from a licensed HVAC contractor and installed by such contractor in the continental United States, Alaska and Hawaii, that:

- A. The parts are warranted to the original owner for a period of one (1) year from the date of installation by a licensed contractor.** If it should prove defective due to improper workmanship and/or material for a period of one (1) year from the date of installation, MEUS will replace any defective part without charge for the part. Replacement parts are warranted for the remainder of the original 1-year warranty period. Parts used for replacement may be of like kind and quality and may be new or remanufactured. Defective parts must be made available to MEUS in exchange for the replacement part and become the property of MEUS.
- B. The compressor is warranted to the original owner for a period of seven (7) years from the date of installation by a licensed contractor.** If the compressor should prove defective due to improper workmanship and/or material for a period of seven (7) years from the date of installation, MEUS will replace any defective compressor without charge for the compressor. Replacement compressors are warranted for the remainder of this 7-year warranty period. Compressors used for replacement may be of like kind and quality and may be new or remanufactured. Defective compressors must be made available to MEUS in exchange for the replacement compressor and become the property of MEUS.
- C. Notwithstanding the foregoing, the parts and compressor will be warranted for a period of ten (10) years to the original owner if (1) the System is designed by a Diamond Designer using the MEUS Diamond System Builder™ (2) the installing contractor has successfully completed the CITY MULTI MEUS approved training course, and (3) the contractor has submitted a completed and approved MEUS Extended Warranty Process report.** If any parts and/or the compressor should prove defective due to improper workmanship and/or material for a period of ten (10) years from the date of installation, MEUS will replace any defective parts or compressor without charge for the part or compressor. The replacement parts and/or compressor are warranted for the remainder of the original 10-year warranty period. Parts and/or compressors used for replacement may be of like kind and quality and may be new or remanufactured. Defective parts and/or compressors must be made available to MEUS in exchange for the replacement parts and become the property of MEUS.
- D. NO LABOR.** These limited warranties do NOT include labor or any other costs incurred for service, maintenance, repair, removing, replacing, installing, complying with local building and electric codes, shipping, handling or replacement of the System, compressors or any other parts. The owner is solely responsible for all labor and other costs of maintaining, installing, replacing, disconnecting or dismantling the System and any parts (such as filters) in connection with owner-required maintenance. Air filter cleaning and/or replacement for each indoor unit of the System are owner-required maintenance and labor for this procedure is not covered under warranty. Please consult the applicable technical documentation for air filter cleaning and other maintenance procedures.
- E. PROPER INSTALLATION; PROOF OF PURCHASE.** This Limited Warranty applies only to Systems that are installed by licensed HVAC contractors who have completed any required MEUS training classes and who install the Systems in accordance with (i) all applicable building codes and permits; (ii) MEUS's installation and operation instructions; and (iii) good trade practices. MEUS may require satisfactory proof of purchase, installation and start-up of the System as a condition to providing replacement parts under this limited warranty.

BEFORE REQUESTING SERVICE, please review the user's instructions and technical documentation for your System to confirm the electric power supply and that user controls are properly adjusted for the System

1) TO OBTAIN WARRANTY SERVICE:

- a) Contact the licensed HVAC contractor who installed your System or another licensed HVAC contractor or servicer, or an authorized CITY MULTI distributor (whose name and address may be obtained on our website at www.mehvac.com) within the applicable warranty time period.

- b) Proof of the installation date is required when requesting warranty service. Present the sales receipt, building permit or other document which establishes proof and date of installation. In the absence of acceptable proof, this Limited Warranty shall be deemed to begin one hundred twenty (120) days after the date of manufacture stamped on the System.
 - c) This Limited Warranty applies only to Systems purchased on or after **April 1, 2015**, only while the System remains at the site of the original installation, and only to locations within the continental United States, Alaska and Hawaii.
 - d) All repairs under this limited warranty must be made by a licensed HVAC contractor or servicer.
- 2) **THIS LIMITED WARRANTY DOES NOT COVER:** property damages, malfunction or failure of the System, or personal injury caused by or resulting from: (a) accident, abuse, negligence or misuse; (b) operating the System in a corrosive or wet environment, including those containing chlorine, fluorine or any other hazardous or harmful chemicals or environmental factors, including sea- or salt-water; (c) installation, alteration, repair or service by anyone other than a licensed contractor or other than pursuant to the manufacturer's instructions; (d) improper matching of System components; (e) improper sizing of the System; (f) improper or deferred maintenance contrary to the manufacturer's instructions; (g) physical abuse to or misuse of the System (including failure to perform any maintenance as described in the Operation manual such as air filter cleaning, or any System damaged by excessive physical or electrical stress); (h) Systems that have had a serial number or any part thereof altered, defaced or removed; (i) System used in any manner contrary to the Operation Manual; (j) freight damage; or (k) damage caused by force majeure or other factors such as power surge damage caused by lightning and fluctuations in or interruptions of electrical power.
- 3) **THIS LIMITED WARRANTY ALSO EXCLUDES:** (a) SERVICE CALLS WHERE NO DEFECT IN THE SYSTEM COVERED UNDER THIS WARRANTY IS FOUND; (b) System installation or set-ups; (c) Adjustments of user controls; (d) Systems purchased or installed outside the continental United States, Alaska and Hawaii; or (e) Systems purchased or installed prior to **April 1, 2015**. Consult the operating instructions for information regarding user controls.
- 4) This Limited Warranty shall not be enlarged, extended or affected by, and no obligation or liability shall arise or grow out of, MEUS providing, directly or indirectly, any technical advice, information and/or service to original owner in connection with the System.
- 5) **EXCEPT AS OTHERWISE PROVIDED IN THIS LIMITED WARRANTY, MEUS MAKES NO OTHER WARRANTIES OF ANY KIND WHATSOEVER REGARDING THE SYSTEM. MEUS DISCLAIMS AND EXCLUDES ALL WARRANTIES NOT EXPRESSLY PROVIDED HEREIN AND ALL REMEDIES WHICH, BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OF THIRD PARTY RIGHTS, AND OF FITNESS FOR ANY PARTICULAR PURPOSE. NO ONE IS AUTHORIZED TO CHANGE THIS LIMITED WARRANTY IN ANY RESPECT OR TO CREATE ANY OTHER OBLIGATION OR LIABILITY FOR MEUS IN CONNECTION WITH THE SYSTEM. MEUS DISCLAIMS ALL LIABILITY FOR THE ACTS, OMISSIONS AND CONDUCT OF ALL THIRD PARTIES (INCLUDING, WITHOUT LIMITATION, THE INSTALLING CONTRACTOR) IN CONNECTION WITH OR RELATED TO THE SYSTEM.**
- 6) **UNDER NO CIRCUMSTANCES SHALL MEUS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, INFRINGEMENT OF THIRD PARTY RIGHTS, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, SYSTEM FAILURE, IMPAIRMENT OF OTHER GOODS, COSTS OF REMOVAL AND REINSTALLATION OF THE SYSTEM, LOSS OF USE, INJURY TO PERSONS OR PROPERTY ARISING OUT OR RELATED TO THE SYSTEM WHETHER BASED ON BREACH OF WARRANTY, BREACH OF CONTRACT, TORT OR OTHERWISE, EVEN IF MEUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. IN NO EVENT SHALL MEUS'S LIABILITY EXCEED THE ACTUAL PURCHASE PRICE OF THE SYSTEM WITH RESPECT TO WHICH ANY CLAIM IS MADE.**
- 7) **SOME STATES DO NOT ALLOW LIMITATIONS ON WARRANTIES OR EXCLUSIONS OR LIMITATION OF DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY.**
- 8) **DISPUTE RESOLUTION.** For any dispute with MEUS, you agree to first contact us by phone (800-433-4822) or e-mail (CustomerCare@hvac.mea.com) or U.S. Mail at Mitsubishi Electric US, Inc., ATTN: Customer Care, 1340 Satellite Blvd., Suwanee, GA 30024, and attempt to resolve the dispute with us informally by providing your name, address, and contact information and describing the nature of the dispute. In the unlikely event that MEUS has not been able to resolve a dispute

with you within 60 days of your original informal claim (or sooner if, in MEUS's opinion, a dispute is not likely to be resolved within 60 days), we each agree to resolve any claim, dispute, or controversy arising out of or in connection with or relating to this Limited Warranty, or the breach or alleged breach thereof (collectively, "Claims"), by binding arbitration before an arbitrator from Judicial Mediation and Arbitration Services ("JAMS") located in Gwinnett County, Georgia. JAMS may be contacted at www.jamsadr.com and will require you to pay an initial filing fee set by JAMS (unless you successfully apply for a waiver of this fee from JAMS). All other JAMS costs associated with the arbitration will be borne by MEUS. The arbitration will be conducted in Gwinnett County, Georgia, unless you request an in-person hearing where you live, or if you and MEUS agree otherwise. If the arbitrator decides in your favor, the award may include your costs of arbitration, your reasonable attorneys' fees and your reasonable costs for any expert and other witnesses, and any judgment on the award rendered by the arbitrator may be entered in any court of competent jurisdiction. If the arbitrator makes an award in your favor greater than MEUS's last written offer, MEUS will pay you the greater of the award or \$500, plus your reasonable attorney's fees, if any, and reimburse any reasonable expenses (including reasonable expert witness fees and costs) that are reasonably accrued for investigating, preparing, and pursuing your claim in arbitration, as determined by the arbitrator or as agreed to by you and MEUS. Any judgment on the award rendered by the arbitrator may be entered in any court of competent jurisdiction. You may sue under state law in a small claims court of competent jurisdiction without first engaging in arbitration, but you must engage in arbitration before suing under the Federal Magnuson-Moss Act.

- 9) All claims must be brought in the parties' individual capacity, and not as a plaintiff or class member in any purported class or representative proceeding. This waiver applies to class arbitration unless such arbitration is necessary to effectuate the enforcement of the court class action waiver or in the event that class arbitration is expressly agreed to by MEUS. You agree that you and MEUS are each waiving the right to a trial by jury or to participate in a class action.
- 10) You may opt-out of the foregoing arbitration and class action/jury trial waiver provision of this Limited Warranty by notifying MEUS in writing within 30 days of purchase. Such written notification must be sent to Mitsubishi Electric US, Inc., ATTN: Legal, 5900-A Katella Avenue, Cypress, CA 90630, and must include (1) your name, (2) your address, (3) your warranted product's serial number, and (4) a clear statement indicating that you do not wish to resolve disputes through arbitration and demonstrating compliance with the 30-day time limit to opt-out.
- 11) **If any clause herein is found to be illegal or unenforceable, that clause will be severed from this Limited Warranty and the remainder of the Limited Warranty will be given full force and effect. As noted above, if a class action waiver of both court and arbitration class actions is found unenforceable, class arbitration will be expressly allowed under the Limited Warranty.**
- 12) **This Limited Warranty gives the original owner specific legal rights and the original owner may also have other rights that vary from state to state.**
- 13) **This Limited Warranty is valid only in the continental United States, Alaska and Hawaii, and it is not transferable.**

Series ETA and DETA

ASME Code Expansion Tank

Installation Instructions

Warnings

- This Expansion Tank is designed and intended for water storage at maximum pressure and maximum temperature as indicated on the nameplate. Any use other than for water or at a sustained or instantaneous pressure in excess of listed rating is UNSAFE and may cause property damage, serious bodily injury or result in death.
- This Expansion Tank, like all Expansion Tanks, may eventually leak. Do not install without adequate drainage provisions where water flow will cause damage.
- Improper installation, adjustment, alteration, service or maintenance may cause property damage, serious bodily injury or death. Read instructions completely before proceeding with installation.
- Only qualified personnel should install or service this equipment in accordance with local codes and ordinances.
- The manufacturer of this tank does not accept any liability or other responsibility for personal injury or property damage resulting from improper use, installation or operation of this tank or the system of which it is a part.

Important!

- A Pressure Relief Valve sized and installed in accordance with Local Codes must be incorporated in the system. In those systems requiring a combined Temperature and Pressure Safety Relief Valve, the Temperature and Pressure Safety Relief Valve should be sized and installed in accordance with Local Codes.
- Never plug a Safety Relief Valve.

1. Prior to beginning installation, visually inspect the tank for damage which may have occurred during transit.
2. Determine the system pressure.
3. Prior to installation of the tank in the system the tank must be pre-charged to the system pressure as determined in Step 2.

To pre-charge tank:

- A. Remove pipe plug covering the valve enclosure.
- B. Check and adjust the charge by adding or releasing air (Oil and water free compressed air or nitrogen gas may be used.)
- C. After adjusting air pressure, test air valve for leakage, (Shrader type tire valve core may be used for replacement.)
- D. Replace pipe plug.

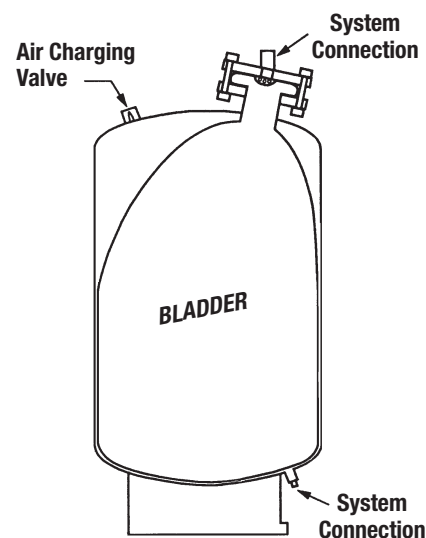
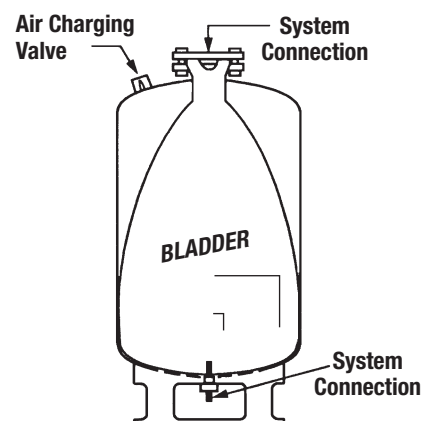
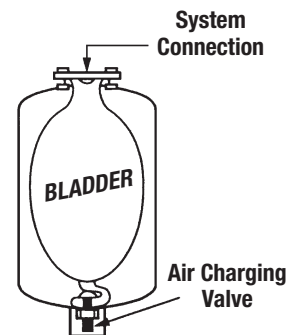
4. Set tank in place and connect system piping using isolation valve(s) and drain.

Caution: Do not loosen nuts on cover plate - This will result in loss of pre-charge. Cover plate must not be removed until the air pressure in the tank has been bled to zero gauge pressure. (Model ET-RA only)

5. Purge air from system prior to placing tank into operation. When filling the system with water, open valves to tank to ensure any water or air remaining in the bladder from factory testing is displaced prior to placing the tank in operation.

Note: Model ET-RA 85 through 800 - These tanks have both top and bottom access to the bladder. It is recommended that only the bottom connection be used for connection to the system. Top connections may be used for gauges, relief valves, etc.

6. Any connection not used must be plugged and checked for leakage.



CALIFORNIA PROPOSITION 65 WARNING

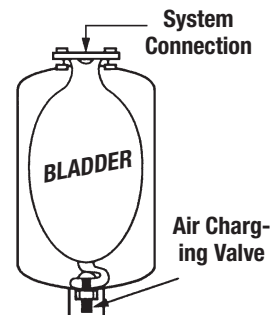
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: www.watts.com/prop65

Instructions for replacing Expansion Tank Bladder

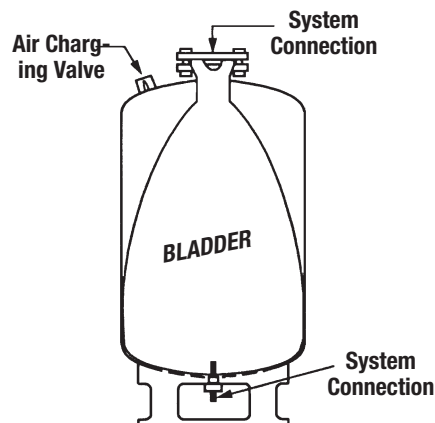
Models ET-RA 35 and ET-RA 50

1. Tank must be drained and all pressure released.
2. Bladder is attached to tank at both ends. To remove bladder from tank remove all bolts from cover plate and take off plate.
3. You will now be able to push bladder to side wall of tank. Reach into tank at far end and you will note that the bladder has a tab at this end which has been slipped over extension of Schrader valve and held in place with a threaded washer. Unscrew washer (counter- clockwise) and this will release bladder from tank.
4. Pull out bladder and install new bladder by reattaching to Schrader valve.
5. To complete bladder attachment, you will note that the bladder has gasket molded right with the bag. Make sure the bladder is not twisted on the interior of the tank.
6. Reattach cover plate to make an air and water tight seal.
7. Recharge tank.



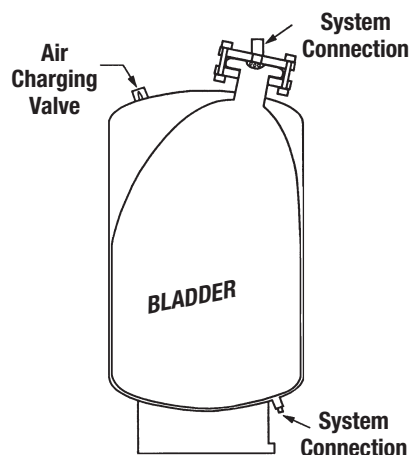
Models ET-RA 85 and ET-RA 800

1. Tank must be drained and all pressure released.
2. Bladder is attached to tank at both ends. To release bladder remove jam nut holding bottom fitting. This fitting can now be pushed up inside the tank and bladder. To release bladder from opposite end, remove all nuts from flange and then take off cover plate.
3. You will now be able to reach in and remove bladder. Remove strainer assembly from inside bladder.
4. To install new bladder, insert strainer assembly into bladder and then carefully position new bladder into tank so that strainer assembly allows nipple to protrude through hole in bottom of tank (base ring end).
5. Install jam nut to a snug fit.
6. To complete bladder attachment, you will note that the bladder has a gasket molded right with the bag. Make sure the bladder is not twisted on the interior of the tank.
7. Reattach cover plate to make an air and water tight seal.
8. Recharge tank.



Models ET-RA 1000 and ET-RA 2000

1. Tank must be drained and all pressure released.
2. Bladder is attached to only top of tank.
3. Remove all nuts and bolts from cover plate and take off plate.
4. You will now be able to pull out old bladder.
5. Take the new bladder and roll lengthwise into tube shape.
6. Place bladder into flanged opening.
7. To complete bladder attachment, you will note that the bladder has the basket molded right with the bag. Make sure the bladder is not twisted on the interior of the tank.
8. Reattach cover plate to make an air and water tight seal.
9. Recharge tank.



Limited Warranty: Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**



Water Safety & Flow Control Products



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca

CONSERVATIONIST® POWER VENT

APPROVAL RATINGS AND CERTIFICATION

- All models comply with: ANSI Z21.10.3/CSA 4.3 and ASHRAE/IES 90.1 – 2004
- Meets Texas and other low NOx areas requiring 40ng/j
- All models are approved for use in combined appliance applications.

CFC-FREE FOAM INSULATION

- Minimizes radiant heat loss.

DIP TUBE

- Carries inlet water deep into tank.

HOT SURFACE IGNITION

- Has a solid state ignition surface that does not flutter or blow out.
- Provides increased reliability and efficiency over spark ignition systems. Eliminates the pilot and saves energy.

USER-FRIENDLY

- State-of-the-art electronic gas control provides more precise temperature control.
- LED control light displays operation status and diagnostics information.

ENHANCED-FLOW BRASS DRAIN VALVE

- Have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a ¼ turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to the industry-standard glasslining.

STANDARDS

- Design-certified by CSA International, according to ANSI Z21.10.3 - CSA 4.3 standards governing storage-type water heaters.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.

POWERED VENTING

- Provides more venting flexibility and savings. A new quiet blower allows exhaust venting through the roof or sidewall with plastic pipe such as PVC, CPVC, ABS, and polypropylene.
- Up to 125 equivalent feet of pipe make installation easy in any situation.
- BTF-80 is a Category 3 (positive pressure non-condensing) appliance.

ANODES

- Tank-mounted, screw-in magnesium anodes for longer tank life.

HIGH INPUT

- 76,000 BTU input assures plenty of hot water is available by providing faster recovery rates and higher first hour draws.

BURNER

- High input, multiport burner for improved combustion efficiency and low NOx.

BUILT-IN CONDENSATE FITTING

- A condensate management coupling that attaches vent pipe to the blower is included.

INSTALLED TEMPERATURE & PRESSURE RELIEF VALVE

- Factory installed and matched to the heater. (Specify if your local code requires a special T&P).

MAXIMUM HYDROSTATIC WORKING PRESSURE 150 PSI

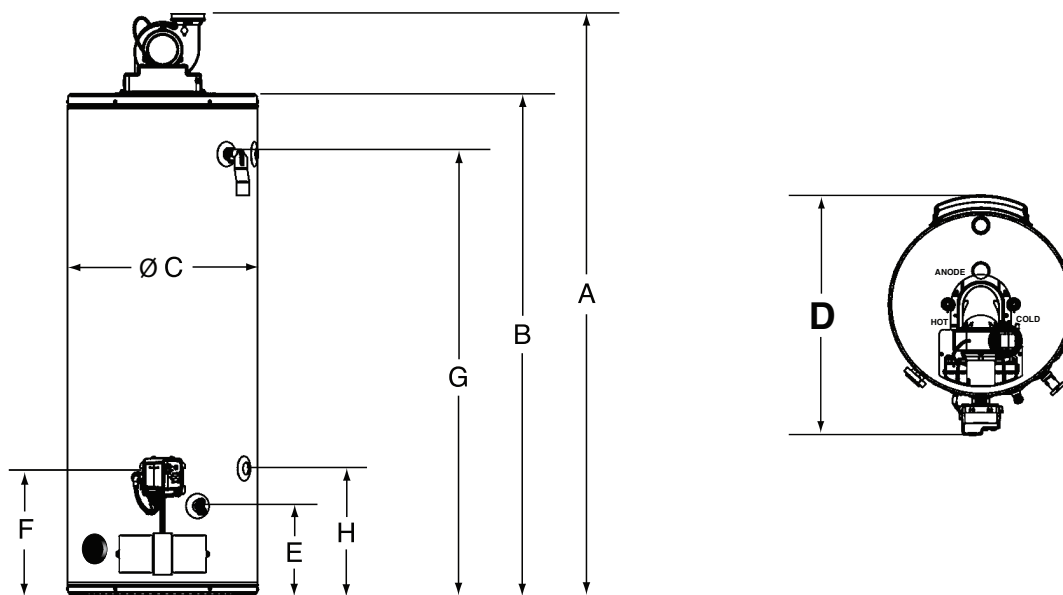
3-YEAR LIMITED TANK / 1-YEAR LIMITED PARTS WARRANTY

- For complete warranty information, consult written warranty or contact A. O. Smith.



**BTF-80
SERIES 210/211**





DIMENSIONS

Model Number	Units	A	B	C	D	E	F	G	H	Water Connections	Gas Connection	Approx. Shipping Weight
BTF-80	Inches	70-5/8	61-1/4	26	33-1/8	11	13-1/4	53	15-1/4	3/4" NPT	1/2" NPT	277 lbs
	cm	179	156	66	84	28	36	135	39			126 kg

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

RECOVERY CAPACITIES

U.S. GALLONS/HRS. AND LITRES/HR. AT TEMPERATURE RISE INDICATED

Model Number	Input		Approx. Capacity		°F	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
BTF-80	Btuh	kW	U.S. Gals.	Litres	°C	17°C	22°C	28°C	33°C	39°C	44°C	50°C	56°C	61°C	67°C	72°C	78°C
	76,000		75		GPH	246	185	148	123	106	92	82	74	67	62	57	52
		22.3		280	LPH	932	699	559	466	400	350	311	280	254	233	215	200

Available in LP (Propane) gas

Can be installed up to 10,100 feet without alteration.

SAMPLE SPECIFICATION

Water Heater(s) shall be power vent model no. _____ as manufactured by A. O. Smith or an approved equal. Heater(s) shall be internally glasslined and gas-fired, equipped to burn _____ gas, and design-certified to the latest ANSI Standard by the CSA International. Rating of _____ Gallons and an input rating of _____ BTU/HR with a recovery capacity of _____ GPH at 100° F. Waters heaters must be certified for power venting applications using standard PVC, class 160, schedule 40, ABS or CPVC vent piping. The water heater shall include a 6' plug-in cord and provision for direct connection to standard electrical conduit. Blower shall include pressure switches which will shut down power to the burner in case of vent system failure due to down drafts or vent blockage. Heater shall have a maximum working pressure of 150 psi, and a nominal storage tank capacity of _____ gallons with a 3/4" relief valve opening. Heater(s) shall also be equipped with an automatic shut off device to shut off entire gas supply in event of excessive temperature in tank. Outer jacket shall have a baked enamel finish.

For technical information, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.

Regular Board of Commissioners

1. g.

Meeting Date: 02/21/2017

2017-2018 Budget Schedule

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Acknowledge Preliminary 2017-2018 Budget Schedule.

Attachments

Budget Schedule 2017-2018



PRELIMINARY
2017-2018 BUDGET SCHEDULE *

Feb 1	Finance Director get budgets to Department Heads
Feb 15-Feb 28	Department heads submit all operating and capital requests for all funds to the Finance Director
March 1-March 15	Finance Director Review's capital budget and O & E with Department Heads
March 13	Department Heads meet as a group to discuss budget
March 27	Department Heads meet as a group to discuss budget
April 1-April 30	Initial draft/discussion and budget review by commissioners (Will hold meetings with Commissioners and City Manager)
May 1	Present budget at regular commission meeting
May 15	Present budget at regular commission meeting
June 5	Budget Public Hearing and City commission adopts budget by resolution (Must be adopted at least 7 days prior to beginning of budget year)
June 29	File final budget with State Auditor and Inspector (Budget must be filed within 30 days of beginning of budget year)

*Subject to change

Regular Board of Commissioners

1. h.

Meeting Date: 02/21/2017

Mayor Appts

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Mayor's Appointments

Shawnee Planning Commission

Craig Walker 1st Partial Term

Expires 06/01/2018

Replaces Regena Morton - Resigned

Attachments

Walker Board Appt

RECEIVED
JAN 26 2017
CITY CLERK

Shawnee City Clerk
PO Box 1448
Shawnee, OK 74802

January 24, 2017

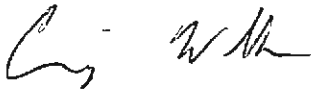
To Whom It May Concern:

Enclosed please find my Application to Serve on Shawnee City Boards, Committees, or Commissions. I am willing to serve wherever needed. My expertise is in business and economics. I am a professor of business and economics at Oklahoma Baptist University. I work with a student group, Enactus, in which students use their business skills to help create opportunities for others.

I live and work in Shawnee so I am looking for an opportunity to contribute to the community. I have served two terms as president of the Shawnee Habitat for Humanity affiliate. I have served as a Red Cross Disaster Services Volunteer. I have served on advisory boards and committees for the Shawnee School District. When my children were in school, I served as treasurer of the middle school PTA and the high school cross country and track booster club. Currently, my wife and I are Block Leaders for Community Renewal. I am a deacon and Sunday School teacher at University Baptist Church.

Please contact me at 405.831.4345 or gcraig.walker@gmail.com if you have any questions.

Sincerely,



Craig Walker

Enclosure

RECEIVED
JAN 26 2017
CITY CLERK



APPLICATION TO SERVE
Boards, Committees, and Commissions

Name: <u>Craig Walker</u>	Application Date: <u>1/24/17</u>
Address: <u>402 E Franklin</u>	
Mailing Address: <u>402 E Franklin, Shawnee, OK 74804</u>	
Daytime Phone: <u>405-831-4345</u>	Fax: _____ Email: <u>gcraig.walker@gmail.com</u>
Profession: <u>Professor - OBU, Economics</u>	
Business Name: <u>Oklahoma Baptist Univ.</u>	
Business Address: <u>OBU Box 61737, 500 W University, Shawnee 74804</u>	
Business Phone: <u>405-585-4411</u>	Fax: _____ Email: <u>Craig.Walker@okbu.edu</u>

Do you live within the City Limits of the City of Shawnee? Yes or No (please circle)

Do you currently serve on a City board or committee? Yes or No (please circle)

How many years have you lived in Shawnee? 17

Select the Board/Committee/Commission you are interested in serving on: (please check)

☐ Airport Advisory Board	☐ Library Board
☐ Beautification Committee	☐ Oklahoma Baptist University Trust Authority
☒ Board of Adjustment (Zoning)	☒ Planning Commission
☐ Civic and Cultural Development Authority	☐ Shawnee Hospital Authority
☐ Community Service Contracts Review Committee	☒ Shawnee Urban Renewal Authority
☒ Housing Authority	☒ Traffic Commission
	☐ Other: <u>As Needed</u>

Why are you interested in serving on the Board/Committee/Commission selected above?

As a resident of Shawnee I want to do what I can to promote growth and improvements in quality of life for our citizens. I live and work in Shawnee so I want to contribute.

What will make you a good board member and what skills or knowledge do you have that would be relevant to this board/committee/commission?

I am trained in business and economics. I have worked in business and economic development and currently teach business and economics. Economic growth and business development is essential to Shawnee to grow and to see enhancements to quality of life.

I have worked with Habitat for Humanity for many years.

Page 1

I work with an OBU student group that gives students opportunities to use business skills to help others. I have served on advisory boards for Shawnee Schools.

I have held several offices in school related organizations while my children were in school.

What civic or volunteer activities (if any) are you currently involved in?

Community Renewal - Block Leader

I have served as board member and two terms as president of Shawnee Habitat for Humanity. I have been a Red Cross Disaster Services Volunteer.

List education, including degree(s) earned:

Bachelor of Bus. Administration - Finance & Economics, Master of Business Administration both from Baylor

Ph.D. Economics - Southern Methodist University

Have you ever served on a City-appointed board/committee/commission before? If so, which ones and for how long did you serve?

N/A

Please include up to three personal or professional references:

Name	Relationship	Telephone Number
Jim Stuart	Served on Boards	405-275-0700
Jim Vernon	Friend	405-620-3355
Larry Walker	Friend	405-808-5051
Daniel Houghton	Supervisor	405-585-7818

PLEASE READ CAREFULLY:

Appointment by the Commission is for one term and individuals may not serve more than two consecutive full terms. Appointment to a second term remains at the discretion of the City Commission.

My signature affirms that all information contained herein is true to the best of my knowledge, and that I understand that any misstatement of fact or misrepresentation of credentials may result in disqualification from further consideration.

Signature C. H. H. Date 1/24/17

Applications are retained on file for one (1) year. Applicants are encouraged to include a letter of interest with this application. Thank you for your interest in serving Shawnee.

Send application form to:

Shawnee City Clerk
PO Box 1448
Shawnee, OK 74802
405-878-1605 (phone)
405-878-1581 (fax)
llasyone@ShawneeOK.org

Regular Board of Commissioners

3.

Meeting Date: 02/21/2017

EOM

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Presentation by City Manager to Employee of the Month, Vicki Files, Municipal Court.

Attachments

No file(s) attached.

Regular Board of Commissioners**4.**

Meeting Date: 02/21/2017

Mayor Proclamations

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Mayor's Proclamation:

"Emergency Management Week"

March 5-11, 2017

AttachmentsEmer Mgt Week Proc



Proclamation

“Oklahoma Emergency Management Week”

Whereas, Shawnee/Pottawatomie County Emergency Management is responsible for encouraging and assisting State and local officials to promote a safer, less vulnerable community with the capacity to cope with hazards and disasters, and;

Whereas, Shawnee/Pottawatomie County Emergency Management helps protect our community by coordinating and integrating all activities necessary to build, sustain, and improve the capability to mitigate against, prepare for, respond to, and recover from threatened or actual natural disasters, acts of terrorism, or other man-made disasters and emergency events, and;

Whereas, the three paid staff of Shawnee/Pottawatomie County Emergency Management apply a whole-community approach to emergency management involving more than 30 dedicated program volunteers, Federal, State and local government partners, business and industry representatives, voluntary organizations active in disasters, and individuals and families in the department’s activities, and;

Whereas, these volunteers and paid personnel stand ready, often under difficult circumstances and at great personal risk, to protect lives and property of their fellow residents. I urge all residents to express their appreciation to the offices of Emergency Management for their dedication and hard work.

Whereas, the week of March 5-11, 2017 is being recognized as Emergency Management Week in Oklahoma to highlight the contributions of the profession to providing a disaster-resilient community;

Now, Therefore, I, Richard Finley, Mayor of the City of Shawnee, Oklahoma by the authority vested in me, do hereby proclaim March 5-11, 2017, to be

“Oklahoma Emergency Management Week”

In the city of Shawnee, Oklahoma
Dated this 21st day of February, 2017

Richard Finley, Mayor

Phyllis Loftis, CMC, City Clerk

Regular Board of Commissioners

5.

Meeting Date: 02/21/2017

Present 2015-2016 Audit

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Presentation of Fiscal Year 2015-2016 Audit.

Attachments

No file(s) attached.

Regular Board of Commissioners

6.

Meeting Date: 02/21/2017

Present Survey

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Discussion and presentation by the City Manager of the Community Survey results.

Attachments

No file(s) attached.

Regular Board of Commissioners

7.

Meeting Date: 02/21/2017

OG&E Cost Proposal

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Consider OG&E Cost Proposal for providing decorative lighting along the west side of Kickapoo Street from Midland to MacArthur.

Attachments

OG&E Cost Proposal

City of Shawnee
Mr. John Krywicki

Kickapoo Lighting Project between Macarthur & Midland (Work Order # 7366836)

This is a cost proposal to install 6-30' Black fluted Steel Poles with teardrop lights and underground connection boxes. Along the west side of Kickapoo between Macarthur & Midland.

	Standard Cost to Serve Lights:
6-30' Wood Poles	@ \$150.08 each = \$900.48
6- 9.5k 100w HPS Luminaires	@ \$108.86 each = \$653.16

Cost to serve decorative lights is as follows:

6-30' black fluted steel poles (stock# 1025419)	@ \$2,811.01 each = \$16,866.06
6-teardrop lights (stock# 1038505)	@ \$957.23 each = \$5,734.38
6- Decorative base covers (stock# 1032186)	@ \$312.71 each = \$1,876.26
7- Street light connection boxes (stock# 1015200)	@ \$250.81 each = \$1,755.67
Additional cost to construction (Boring & Vactron costs)	\$17,939.67
Deduction for standard cost:	\$1,553.64

Totaling: \$42,618.40

The municipality shall pay OG&E in advance and without right of refund the amount of \$42,618.40 prior to ordering materials. Please allow 8-12 weeks for materials after payment has been received. This cost is an additional cost of construction and cost difference of decorative lighting. This cost estimate will be good through 3/15/17.

If you have any questions please feel free to contact me 405-553-4487.

Sincerely,

Jeff Cook, Lead Engineering Tech
Shawnee Engineering District.

Regular Board of Commissioners

8.

Meeting Date: 02/21/2017

FD 2 Reno

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Consider authorizing staff to solicit bids for construction on the Fire Station #2 renovation project.

Attachments

FD 2 Reno



16 West 9th Street
P (405) 878-1671 | F (405) 878-1618



ADMINISTRATION

Dru Tischler, Fire Chief
(405) 878-1556

Andy Starkey, Deputy Fire Chief
(405) 878-1538

Clarice Brock, Secretary
(405) 878-1671

DATE: February 21, 2017
TO: Mayor, Vice Mayor and City Commissioners
CC: Justin Erickson, City Manager; Cindy Arnold, Finance Director
FROM: Dru Tischler, Fire Chief 
SUBJECT: Request Permission to Solicit Bids for Construction Phase of Fire Station 2 (1401 N. Bryan) Rebuild Project

Over the past several months, we have been working in the design, design development and construction document development phases of this project with the goal of achieving an effective and efficient design that corrects all water intrusion problems, addresses current and future department operational needs and provides a minimum of 40 year building usability. As discussed previously, the plan calls for demolition of the current building down to the pre-engineered "red-iron" structure and concrete slab with expansion of the apparatus bay and construction of an updated fire station from that point. I am very pleased to announce that the design, design development and construction document development phases of this project are now complete and staff is ready to request permission to solicit bids for the construction phase of this project. As you will see on the Bid Form and Construction Drawings attached to this memo, we directed Fritz Baily Architects to design a base bid option for the project with nine bid alternates. The estimate of probable costs for the base bid option indicates an estimate of \$945,335 before overhead, contractor fees and contingencies are included. The total overall maximum cost is expected to be between \$1.2 million and \$1.5 million, depending on what add-alternates are selected. The project is subject to the Competitive Bidding Act and actual bids may come in lower. At this time, I respectfully permission to solicit bids for the construction phase of this project. Attached to this memo is a copy of the following documents:

- Notice to Bidders
- Bid Form
- Construction Drawings

NOTICE TO BIDDERS

Sealed bids for the construction for the rehab of Station No. 2 will be received by the City of Shawnee City Clerk's Office, City Hall, 16 West 9th – P.O Box 1448, Shawnee, OK 74802-1448 up to 4:00 p.m., **Monday, April 3, 2017**, for:

BID: FIRE STATION NO. 2 REHAB PROJECT

Bidding Documents, Plans and Specifications are available to qualified bidders as follows: a complete set will be available for review at the office of City Engineer, 222 North Broadway, Shawnee, OK 74802-1448; available through the Tulsa and OKC offices of Southwest Construction News. Copies are available for bidders to purchase from ARC Document Solutions in Oklahoma City and Tulsa at the bidders expense. **A Pre-Bid Conference (recommended, but not mandatory) is scheduled for Wednesday, March 8, 2016, at 10:00 a.m. at the project site, Station No. 2, 1401 Bryan Street, Shawnee, OK.**

Each bid shall be filed in a sealed envelope. On the front of each envelope shall be written the following words to the left of the address:

BID: FIRE STATION NO. 2 REHAB PROJECT April 3, 2017

This project consists of the rebuilding of the existing Fire Station No. 2. The ORIGINAL COPY of each bid shall be filed with the City Clerk of the City of Shawnee, Oklahoma, together with a sworn anti-collusion affidavit in writing that the bidder has not entered into any agreement, expressed or implied, with any other bidder, or bidders, for the purpose of limiting the bid, or bidders, or parcel out to any bidder, or bidders or any other persons, any part of the contract or subject matter of the bid.

Each BIDDER shall attach to his/her BID filed with the City of Shawnee either a bidder's bond, a certified check, or a cashier's check made payable to the City of Shawnee, in an amount not less than five percent (5%) of the amount of bid as a guarantee of delivery of the service in full compliance with the specifications as issued by the City of Shawnee.

The bids filed with the City Clerk will be opened and considered by the Board of Commissioners at a Public Meeting in the City Hall, Shawnee, Oklahoma, at 6:30 p.m., **Monday, April 3, 2017**. The City of Shawnee reserves the right to reject any and all bids.

CITY OF SHAWNEE, OKLAHOMA
a Municipal Corporation

BY: _____
Justin Erickson, City Manager

(SEAL)
ATTEST:

Phyllis Loftis, CMC, City Clerk

SECTION 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

PART 1 - Bid Form - Stipulated Sum (Single-Prime Contract)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Fire Station No. 2 Rehab
- C. Project Location: 1401 North Bryan Avenue, Shawnee, Oklahoma.
- D. Owner: City of Shawnee, Oklahoma.
- E. Architect: Fritz Baily, P.C.
- F. Architect Project Number: 1515.01

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Fritz Baily, P.C and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - 1. _____ Dollars (\$_____).

1.3 ALTERNATES

- A. The undersigned Bidder proposes the amount below be added to or deducted from the Base Bid if particular alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.
- B. If the alternate does not affect the Contract Sum, the Bidder shall indicate "NO CHANGE."
- C. The Bidder shall be responsible for determining from the Contract Documents the effects of each alternate on the Contract Time and the Contract Sum.
- D. Acceptance or non-acceptance of any alternates by the Owner shall have no effect on the Contract Time unless the "Schedule of Alternates" Article below provides a formatted space for the adjustment of the Contract Time.

1.4 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Emergency Generator.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- B. Alternate No. 2: Entry Tower.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- C. Alternate No. 3: Patio Trellis.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- D. Alternate No. 4: Casework.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- E. Alternate No. 5: Exterior Brick Veneer.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- F. Alternate No. 6: Concrete Slab Finish.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- G. Alternate No. 7: Brick Screen Wall.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- H. Alternate No. 8: Full Glass Overhead Doors.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).
- I. Alternate No. 9: Site Work.
1. ADD___ DEDUCT___ NO CHANGE___
2. _____ Dollars (\$_____).

1.5 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within **10** days after a written Notice of Award, if offered within **60** days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:
1. _____ Dollars (\$_____).

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.6 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work within _____ calendar days.

1.7 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

1. Addendum No. 1, dated _____.
2. Addendum No. 2, dated _____.
3. Addendum No. 3, dated _____.
4. Addendum No. 4, dated _____.

1.8 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Shawnee, Oklahoma, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.9 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 2012.
- B. Submitted By: _____ (Name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witness By: _____ (Handwritten signature).
- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.

- K. City, State, Zip:_____.
- L. Phone:_____.
- M. License No.:_____.
- N. Federal ID No.:_____ (Affix Corporate Seal Here).

END OF SECTION 004113

CITY OF SHAWNEE
SHAWNEE FIRE DEPARTMENT
FIRE STATION NO. 2
RENOVATION
1401 NORTH BRYAN AVENUE

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S103 FOUNDATION BLOWUP AND DETAILS

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P07 PLUMBING AXONOMETRICS
P08 PLUMBING DETAILS
P09 PLUMBING SCHEDULES

CONSTRUCTION DOCUMENTS FOR
REVIEW ONLY.
NOT FOR CONSTRUCTION

01/09/17

#	ISSUE	DATE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

FRITZ BAILY, P.C.
1836 SOUTH BALTIMORE
TULSA, OKLAHOMA 74119
Phone: 918-495-3993
Fax: 918-495-3994
Web: www.fritzbaily.com
E-mail: info@fritzbaily.com
ARCHITECTURE
INTERIORS
PLANNING



**WALLACE ENGINEERING
STRUCTURAL CONSULTANTS, INC.**

Structural & Civil Consultants
200 EAST MATTHEW BRADY STREET
TULSA, OKLAHOMA 74103
Phone: 918 584-5858
Fax: 918 584-8689

HP ENGINEERING, INC.

Mechanical, Electrical, and Plumbing
1836 SOUTH BALTIMORE
TULSA, OKLAHOMA 74119
Phone: 539-664-4618
Fax: 479 631-2674

DESIGN PARAMETERS

1.	BUILDING CODE OCCUPANCY CATEGORY	2015 IBC IV
2.	LIVE LOADS (UNIFORM/CONCENTRATED) A. ROOF	20 PSF / 300 LB
3.	ROOF SNOW LOAD A. GROUND SNOW LOAD, Pg B. FLAT ROOF SNOW LOAD, Pf C. SNOW EXPOSURE FACTOR, Ce D. SNOW LOAD IMPORTANCE FACTOR, I E. THERMAL FACTOR, Ct	10 PSF 10.1 PSF 1.0 1.2 1.2
4.	WIND DESIGN DATA A. BASIC WIND SPEED (3 SECOND GUST), V B. WIND EXPOSURE CATEGORY C. INTERNAL PRESSURE COEFFICIENT, GCpi D. DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING (PRESSURES SHOWN ARE SERVICE-LEVEL, 0.6W) 1.) WALLS (10 SQUARE FEET EFFECTIVE WIND AREA) END ZONES INTERIOR ZONES 2.) ROOF, ASD (GROSS UPLIFT, 10 SQUARE FEET EFFECTIVE WIND AREA) CORNER ZONES END ZONES INTERIOR ZONES F. WIDTH OF END ZONE	120 MPH / 93 MPH C +/- 0.55 34.1 PSF 28.8 PSF 55.1 PSF 39.3 PSF 29.6 PSF 8.2 FT
5.	WIND DESIGN DATA FOR SHELTER A. BASIC WIND SPEED (3 SECOND GUST), V B. WIND EXPOSURE CATEGORY C. INTERNAL PRESSURE COEFFICIENT, GCpi D. DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING (PRESSURES SHOWN ARE SERVICE-LEVEL, 0.6W) 1.) WALLS (10 SQUARE FEET EFFECTIVE WIND AREA) END ZONES INTERIOR ZONES F. WIDTH OF END ZONE	250 MPH C +/- 0.55 137 PSF 273 PSF 70 PSF 70 PSF 3.0 FT
6.	EARTHQUAKE DESIGN DATA A. SEISMIC IMPORTANCE FACTOR, I B. MAPPED SPECTRAL RESPONSE ACCELERATION, Ss C. MAPPED SPECTRAL RESPONSE ACCELERATION, S1 D. SITE CLASS E. SPECTRAL RESPONSE COEFFICIENT, Sds F. SPECTRAL RESPONSE COEFFICIENT, Sd1 G. SEISMIC DESIGN CATEGORY H. STRUCTURAL SYSTEM 1.) BASIC SEISMIC FORCE-RESISTING SYSTEM TYPE 2.) DESIGN BASE SHEAR, LRFD 3.) SEISMIC RESPONSE COEFFICIENT, Cs (ULTIMATE) 4.) RESPONSE MODIFICATION FACTOR, R J. ANALYSIS PROCEDURE	1.50 20.9% 7.4% D 22.3% 11.8% C - 0.111 W 0.111 3 EQUIVALENT LATERAL FORCE

STATEMENT OF SPECIAL INSPECTIONS (IBC 2015)			
I	STRUCTURAL STEEL SPECIAL INSPECTIONS (AISC 360-10, SPECIFICATION CHAPTER N)	FREQUENCY OF INSPECTION	
		CONTINUOUS	PERIODIC
	REQUIRED VERIFICATION AND INSPECTION TASK		
I.	STEEL CONSTRUCTION (IBC TABLE 1704.3)		
1.	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:		
	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X
2.	INSPECTION OF HIGH STRENGTH BOLTING:		
	A. SNUG-TIGHT JOINT.	---	X
	B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	---	X
	C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	---
3.	MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:		
	A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	---	X
	B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X
	C. MANUFACTURER'S CERTIFIED TEST REPORTS.	---	X
4.	MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
	A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X
5.	INSPECTION OF WELDING:		
	A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:	---	---
	1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	---
	2) MULTIPASS FILLET WELDS.	X	---
	3) SINGLE-PASS FILLET WELDS > 5/16"	X	---
	4) PLUG AND SLOT WELDS.	X	---
	5) SINGLE-PASS FILLET WELDS < OR = 5/16"	---	X
	6) FLOOR AND ROOF DECK WELDS.	---	X
	B. REINFORCING STEEL:	---	---
	1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	---	X
	2) SHEAR REINFORCEMENT	X	---
	3) OTHER REINFORCING STEEL.	---	X
6.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE		
	A. DETAILS SUCH AS BRACING AND STIFFENING.	---	X
	B. MEMBER LOCATIONS.	---	X
	C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	---	X
II.	CONCRETE CONSTRUCTION (IBC TABLE 1704.4)		
1.	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.	---	---
3.	INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	X	---
4.	INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	---	X
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	---	X
6.	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X
9.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X
III.	MASONRY CONSTRUCTION - LEVEL 1 (IBC TABLE 1704.5.1)		
1.	COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED	---	X
2.	VERIFICATION OF f'm AND f'abc PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	---	X
3.	VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATION GROUT.	X	--
4.	AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
	A. PROPORTIONS OF SITE-PREPARED MORTAR.	---	X
	B. CONSTRUCTION OF MORTAR JOINTS.	---	X
	C. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X
5.	DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:		
	A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	---	X
	B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	---	X
	C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X
	D. WELDING OF REINFORCING BARS.	X	---
	E. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEG. F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEG. F.)	---	X
6.	PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
	A. GROUT SPACE IS CLEAN	---	X
	B. PLACEMENT OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X
	C. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	---	X
	D. CONSTRUCTION OF MORTAR JOINTS.	---	X
7.	GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE.	X	---
8.	PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	--	X

	REQUIRED VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
		CONTINUOUS	PERIODIC
V.	REQUIRED VERIFICATION AND INSPECTION OF SOILS (IBC TABLE 1704.7)		
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

DEFERRED STRUCTURAL SUBMITTALS

- THE FOLLOWING STRUCTURAL COMPONENTS SHALL BE DESIGNED AND SUBMITTED BY OTHERS FOR APPROVAL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - COLD FORMED METAL WALL FRAMING AND ATTACHMENTS TO STRUCTURE.
 - PRE-ENGINEERED METAL BUILDINGS
- DOCUMENTS FOR DEFERRED STRUCTURAL SUBMITTAL ITEMS SHALL BE DESIGNED, SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. THE DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER-OF-RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL AS REQUESTED WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED FOR DESIGN LOADS AND BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN CRITERIA OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

SPECIAL INSPECTIONS

- THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PER SECTION 1704 OF THE IBC. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR REGARDING INDIVIDUAL INSPECTION FOR ITEMS LISTED ON THE STATEMENT OF SPECIAL INSPECTIONS AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
- FABRICATORS OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1704.2 OF THE IBC.

STRUCTURAL OBSERVATION REQUIREMENTS

- A REPRESENTATIVE OF THE ENGINEER OF RECORD WILL PERFORM THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTION REQUIRED OF THE BUILDING OFFICIAL OR THE SPECIAL INSPECTOR.
- A PRE-CONSTRUCTION MEETING SHALL BE HELD AND ATTENDED BY THE ARCHITECT, ENGINEER OF RECORD, GENERAL CONTRACTOR, SUBCONTRACTORS, AND SPECIAL INSPECTORS.
- THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AT LEAST 48 HOURS PRIOR TO COMPLETING CONSTRUCTION OPERATIONS THAT REQUIRE STRUCTURAL OBSERVATION (BY CALLING (918) 584-5858 TO SCHEDULE A SITE VISIT.)
- AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL OBSERVER:
 - AFTER INSTALLATION OF FIRST FOUNDATION REINFORCING AND BEFORE CONCRETE PLACEMENT.
 - AFTER INSTALLATION OF CONCRETE WALL REINFORCING AND BEFORE CONCRETE PLACEMENT.
 - AFTER ERECTION OF FIRST LIFT OF CMU WALL AND BEFORE GROUT PLACEMENT
 - AFTER INSTALLATION OF CONCRETE FLOOR (ROOF) REINFORCING AND BEFORE CONCRETE PLACEMENT
 - AFTER INSTALLATION OF COMPOSITE FLOOR DECK AND SHEAR STUDS AND BEFORE CONCRETE PLACEMENT.
 - AFTER ERECTION OF STRUCTURAL STEEL AND BEFORE METAL DECK PLACEMENT.
 - AFTER INSTALLATION AND FASTENING OF METAL DECK AND BEFORE PLACING INSULATION.
- AT THE CONCLUSION OF THE WORK INCLUDED IN THE PERMIT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.



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CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB
Shawnee, Oklahoma
1401 Bryan Street

ISSUE DATE
01/09/17
ISSUE DATE

PROJECT NUMBER
REVIEWED BY
DRAWN BY

1511708
DS
MBE

TITLE
GENERAL
NOTES

SHEET NUMBER
S001

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ABBREVIATIONS

- | | |
|--------------|---|
| ANCHOR BOLTS | |
| A.F.F. | ABOVE FINISHED FLOOR |
| ACI | AMERICAN CONCRETE INSTITUTE |
| AESS | ARCHITECTURALLY EXPOSED
STRUCTURAL STEEL |
| ARCH. | ARCHITECTURAL |
| B.L. | BLOCK LINTEL |
| B.O. | BOTTOM OF |
| B.O.D. | BOTTOM OF DECK |
| BAL. | BALANCE |
| BLDG. | BUILDING |
| BRG. | BEARING |
| C.J. | CONTRACTION JOINT |
| C.L. | CENTER LINE |
| CLR. | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| COL. | COLUMN |
| CONC. | CONCRETE |
| CONST. | CONSTRUCTION |
| CONT. | CONTINUOUS |
| D.B.A. | DEFORMED BAR ANCHOR |
| DIA. | DIAMETER |
| DWG. | DRAWING |
| E.F. | EACH FACE |
| E.J. | EXPANSION JOINT |
| E.O.D. | EDGE OF DECK |
| E.O.S. | EDGE OF SLAB |
| E.W. | EACH WAY |
| ELEV. | ELEVATION |
| EQ. | EQUAL |
| EXIST. | EXISTING |
| F.F.E. | FINISHED FLOOR ELEVATION |
| F.S. | FAR SIDE |
| FDN. | FOUNDATION |
| FTG. | FOOTING |
| G.B. | GRADE BEAM |
| GA. | GAGE |
| GALV. | GALVANIZED |
| H.S.A. | HEADED STUD ANCHOR |
| HORIZ. | HORIZONTAL |
| IBC | INTERNATIONAL BUILDING CODE |
| INFO. | INFORMATION |
| J.B.E. | JOIST BEARING ELEVATION |
| JT. | JOINT |
| K | K UNIT OF 1,000 POUNDS (KIP) |
| KSI | KIPS PER SQUARE INCH |
| LBS. | POUNDS |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LONG. | LONGITUDINAL |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MFR. | MANUFACTURER |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| N.I.C. | NOT IN CONTRACT |
| N.S. | NEAR SIDE |
| N.T.S. | NOT TO SCALE |
| NO. | NUMBER |
| O.C. | ON CENTER |
| O.H. | OUTSIDE DIAMETER |
| O.H. | OPPOSITE HAND |
| P.A.F. | POWER ACTUATED FASTENER |
| P.M.E.J. | PREMOLDED EXPANSION JOINT |
| PCF | POUNDS PER CUBIC FOOT |
| PLF | POUNDS PER LINEAR FOOT |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| QTY. | QUANTITY |
| R.O. | ROUGH OPENING |
| RE: | REFER |
| REINF. | REINFORCING |
| REQD. | REQUIRED |
| RTU | ROOF TOP UNIT |
| S.D.S. | SELF-DRILLING SCREWS |
| SCHED. | SCHEDULE |
| SIM. | SIMILAR |
| SPECS. | SPECIFICATIONS |
| STD. | STANDARD |
| STL. | STEEL |
| T&B | TOP AND BOTTOM |
| T.O. | TOP OF |
| T.O.P. | TOP OF PIER |
| T.O.W. | TOP OF WALL |
| TRANS. | TRANSVERSE |
| TYP. | TYPICAL |
| U.N.O. | UNLESS NOTED OTHERWISE |
| VERT. | VERTICAL |
| W.P. | WORK POINT |
| W.W.F. | WELDED WIRE FABRIC |
| WT. | WEIGHT |

COM

- | | |
|----------|-----------------------------|
| D.B.A. | DEFORMED BAR ANCHOR |
| DIA. | DIAMETER |
| DWG. | DRAWING |
| E.F. | EACH FACE |
| E.J. | EXPANSION JOINT |
| E.O.D. | EDGE OF DECK |
| E.O.S. | EDGE OF SLAB |
| E.W. | EACH WAY |
| ELEV. | ELEVATION |
| EQUAL | EQUAL |
| EXIST. | EXISTING |
| F.F.E. | FINISHED FLOOR ELEVATION |
| F.S. | FAR SIDE |
| FDN. | FOUNDATION |
| FTG. | FOOTING |
| G.B. | GRADE BEAM |
| GA. | GAGE |
| GALV. | GALVANIZED |
| H.S.A. | HEADED STUD ANCHOR |
| HORIZ. | HORIZONTAL |
| IBC | INTERNATIONAL BUILDING CODE |
| INFO. | INFORMATION |
| J.B.E. | JOIST BEARING ELEVATION |
| J.T. | JOIST |
| K | UNIT OF 1,000 POUNDS (KIP) |
| KSI | KIPS PER SQUARE INCH |
| LBS. | POUNDS |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LONG. | LONGITUDINAL |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MFR. | MANUFACTURER |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| N.I.C. | NOT IN CONTRACT |
| N.S. | NEAR SIDE |
| N.T.S. | NOT TO SCALE |
| NO. | NUMBER |
| O.C. | ON CENTER |
| O.D. | OUTSIDE DIAMETER |
| O.H. | OPPOSITE HAND |
| P.A.F. | POWER ACTUATED FASTENER |
| P.M.E.J. | PREMOLDED EXPANSION JOINT |
| PCF | POUNDS PER CUBIC FOOT |
| PLF | POUNDS PER LINEAR FOOT |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| QTY. | QUANTITY |
| R.O. | ROUGH OPENING |
| REF. | REFER |
| REINF. | REINFORCING |
| REQD. | REQUIRED |
| RTU | ROOF TOP UNIT |
| S.D.S. | SELF-DRILLING SCREWS |
| SCHED. | SCHEDULE |
| SIM. | SIMILAR |
| SPECS. | SPECIFICATIONS |
| STD. | STANDARD |
| STL. | STEEL |
| T&B | TOP AND BOTTOM |
| T.O. | TOP OF |
| T.O.P. | TOP OF PIER |
| T.O.W. | TOP OF WALL |
| TRANS. | TRANSVERSE |
| TYP. | TYPICAL |
| U.N.O. | UNLESS NOTED OTHERWISE |
| VERT. | VERTICAL |
| W.P. | WORK POINT |
| W.W.F. | WELDED WIRE FABRIC |
| WT. | WEIGHT |

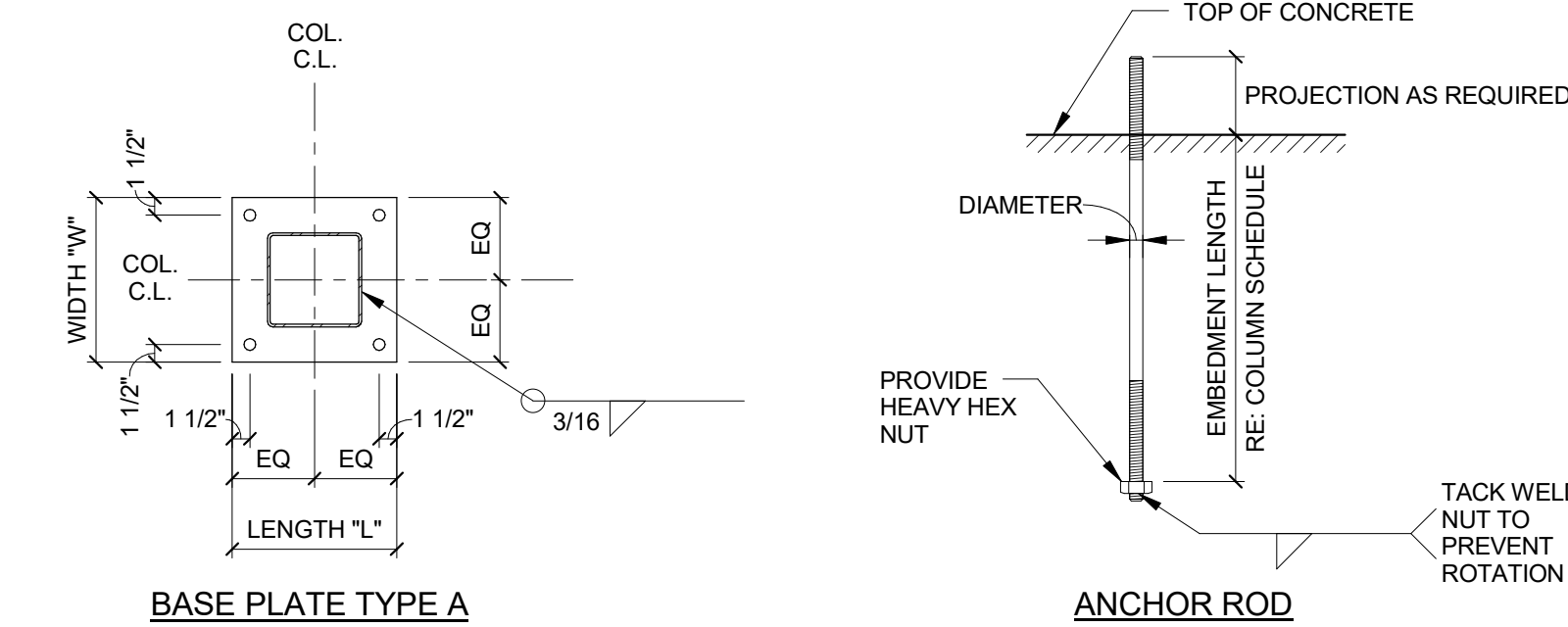
O.C.
O.D.

- | | |
|----------|---------------------------|
| O.C. | ON CENTER |
| O.D. | OUTSIDE DIAMETER |
| O.H. | OPPOSITE HAND |
| P.A.F. | POWER ACTUATED FASTENER |
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| PSF | POUNDS PER SQUARE FOOT |
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| SCHED. | SCHEDULE |
| SIM. | SIMILAR |
| SPECS. | SPECIFICATIONS |
| STD. | STANDARD |
| STL. | STEEL |
| T&B | TOP AND BOTTOM |
| T.O. | TOP OF |
| T.O.P. | TOP OF PIER |
| T.O.W. | TOP OF WALL |
| TRANS. | TRANSVERSE |
| TYP. | TYPICAL |
| U.N.O. | UNLESS NOTED OTHERWISE |
| VERT. | VERTICAL |
| W.P. | WORK POINT |
| W.W.F. | WELDED WIRE FABRIC |
| WT. | WEIGHT |

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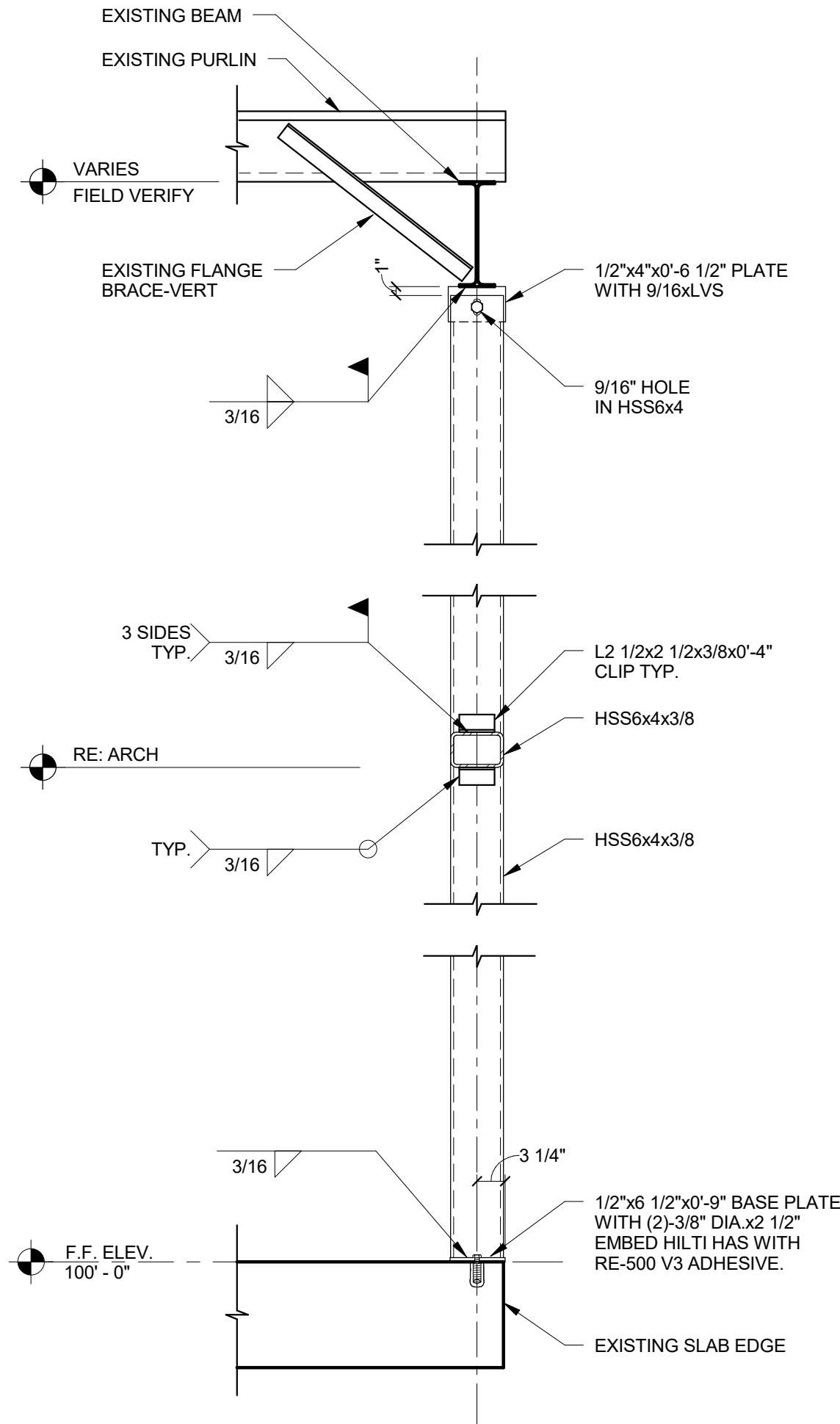
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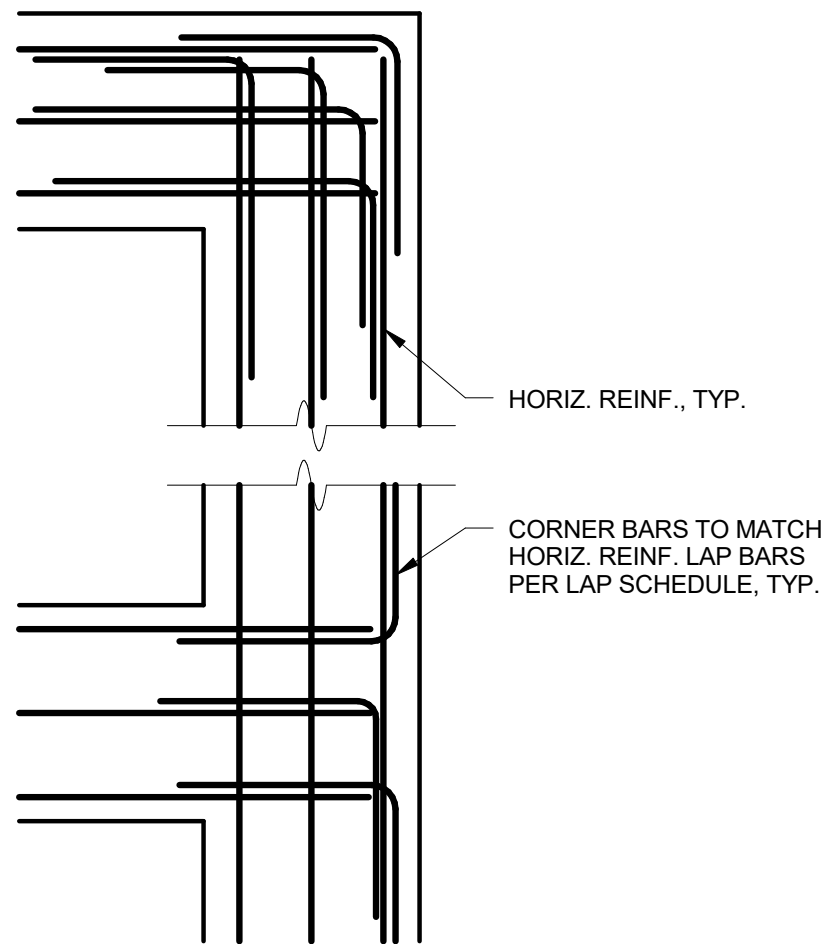


3 ANCHOR ROD AND BASE PLATE DIAGRAM
3/4" = 1'-0"

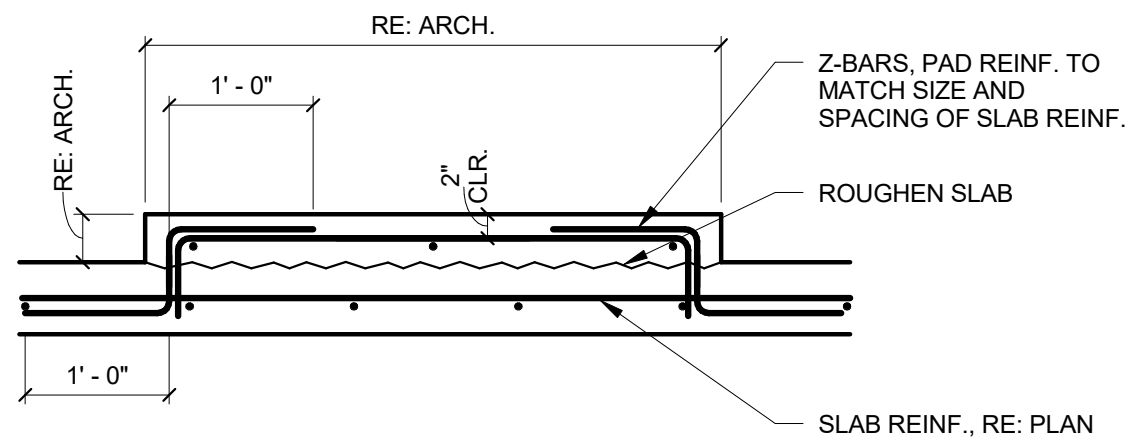
2015 IBC CONCRETE REINFORCING LAP SCHEDULE		
BAR SIZE	LAP LENGTH (f'c=3000psi)	
	TOP BARS	OTHER
#3	28"	22"
#4	38"	29"
#5	47"	36"
#6	56"	43"
#7	61"	53"
#8	93"	72"
#9	105"	81"
#10	118"	91"



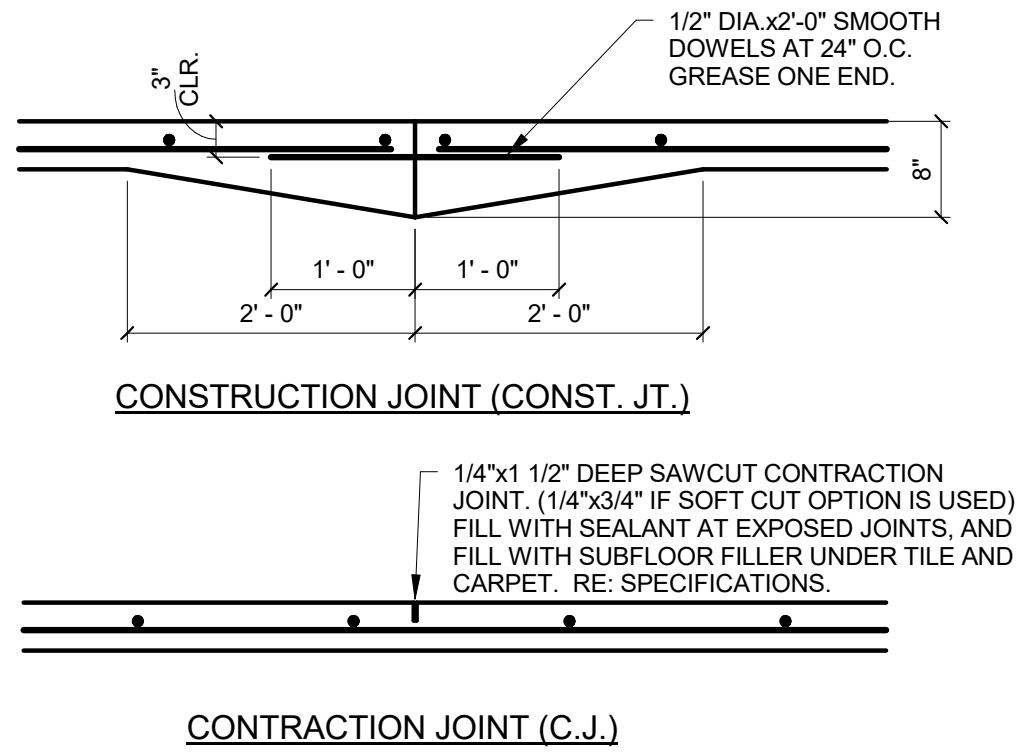
5 WIND GIRTS FRAMING AT DAY ROOM
3/4" = 1'-0"



2 CORNER BAR DETAIL
3/4" = 1'-0"



4 GENERATOR PAD DETAIL - (ALT. NO. 1)
3/4" = 1'-0"



1 SLAB JOINT DETAILS
3/4" = 1'-0"

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CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB
1401 Bryan Street Shawnee, Oklahoma

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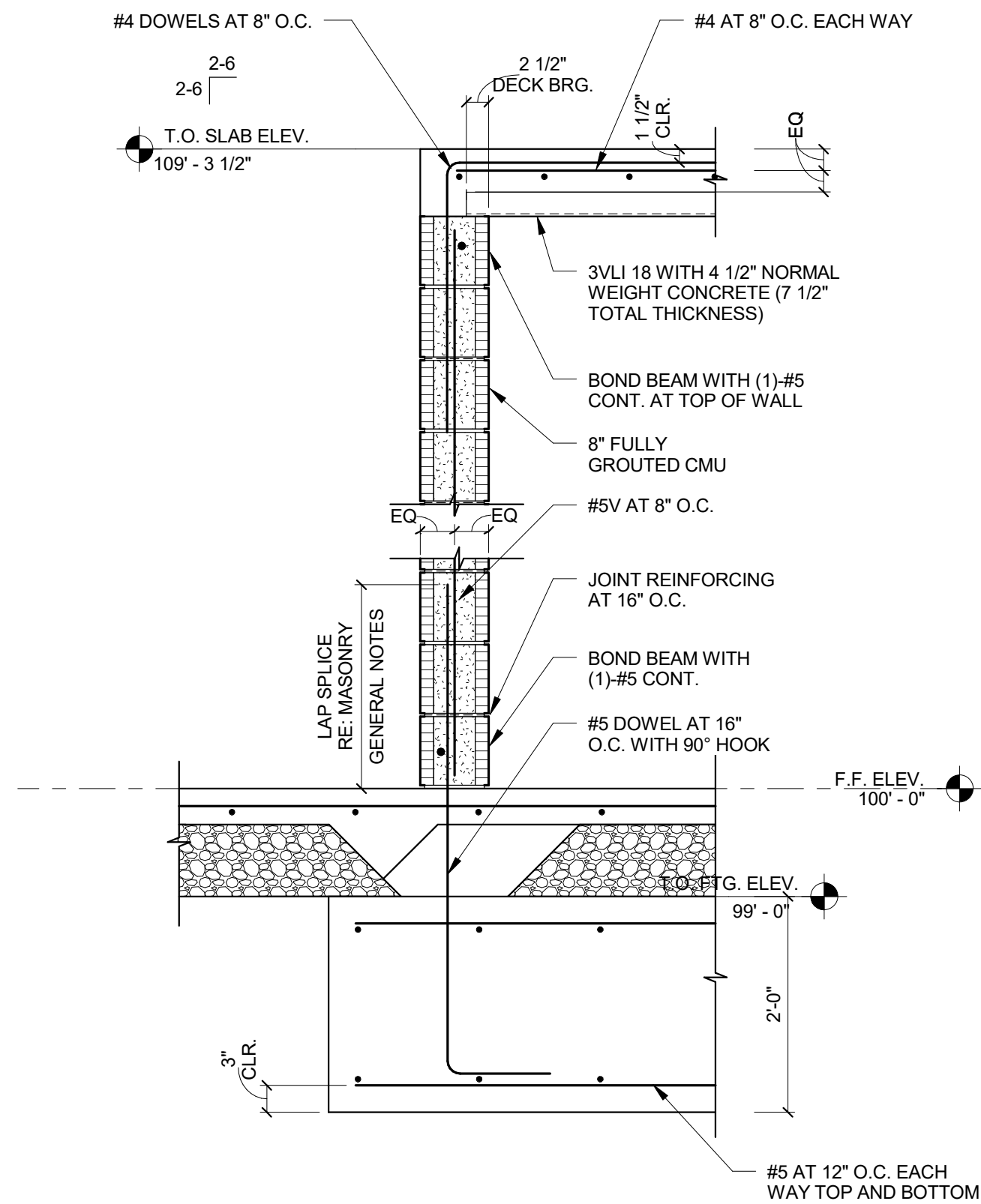
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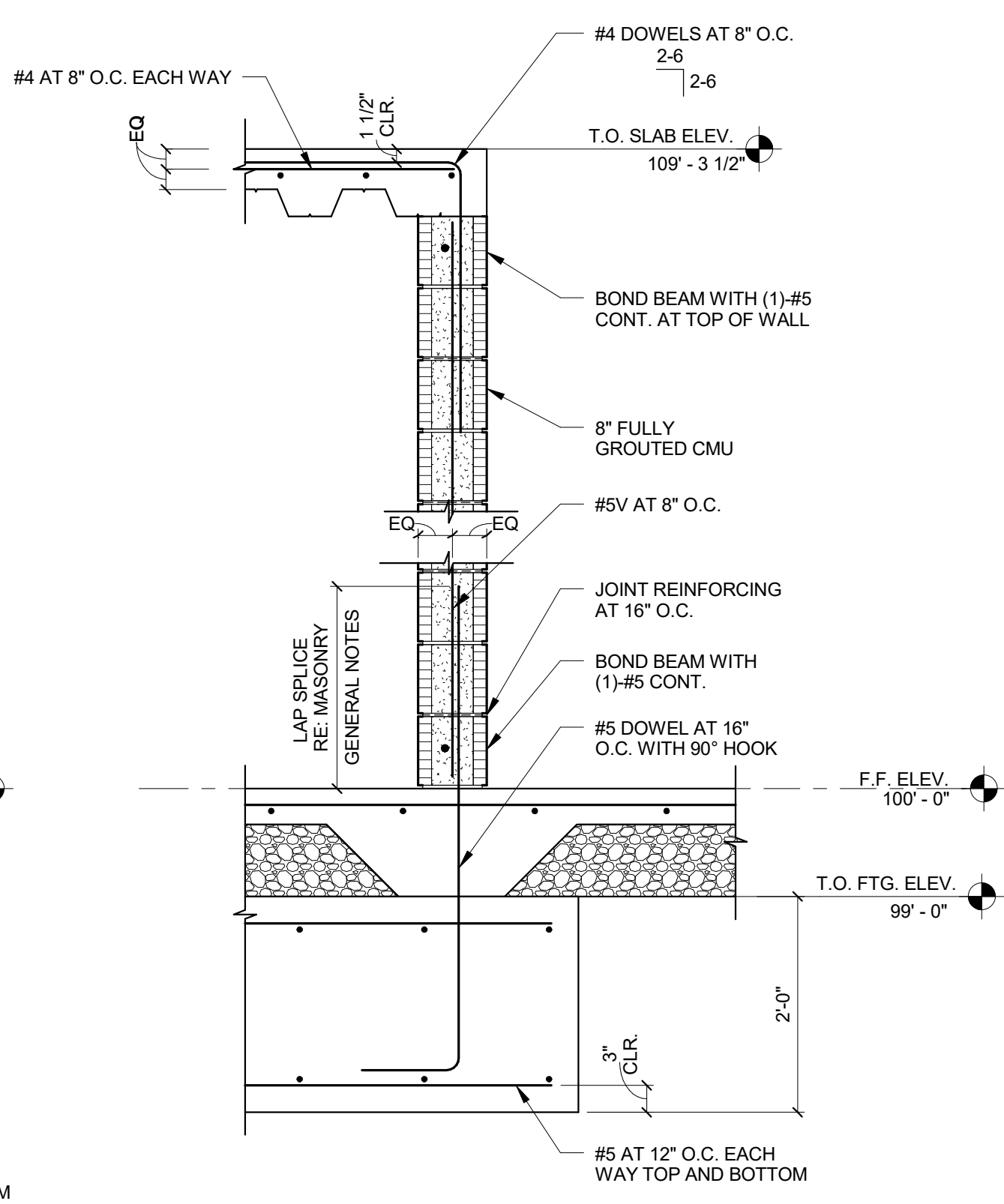
TITLE
TYPICAL
DETAILS

SHEET NUMBER

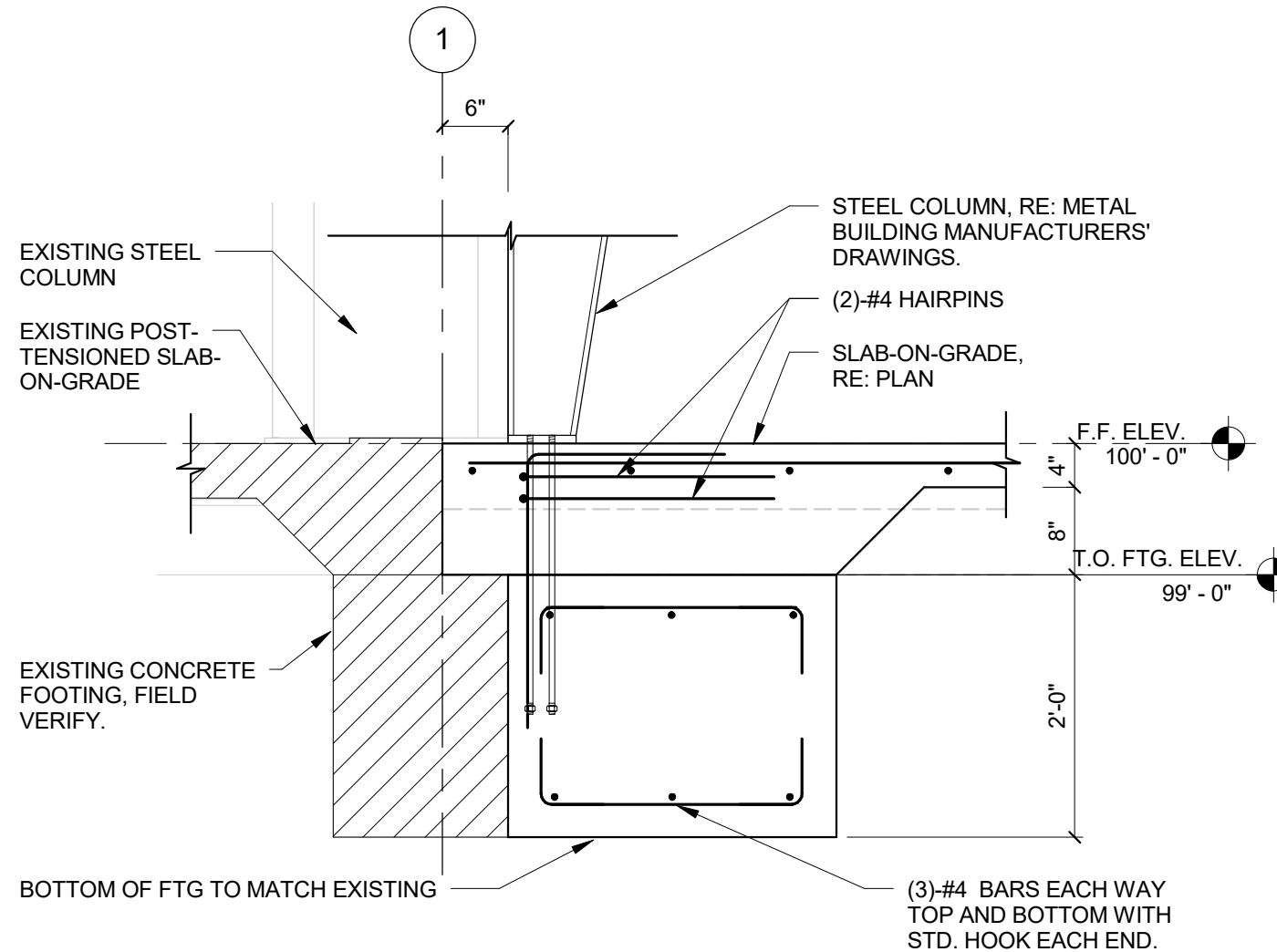
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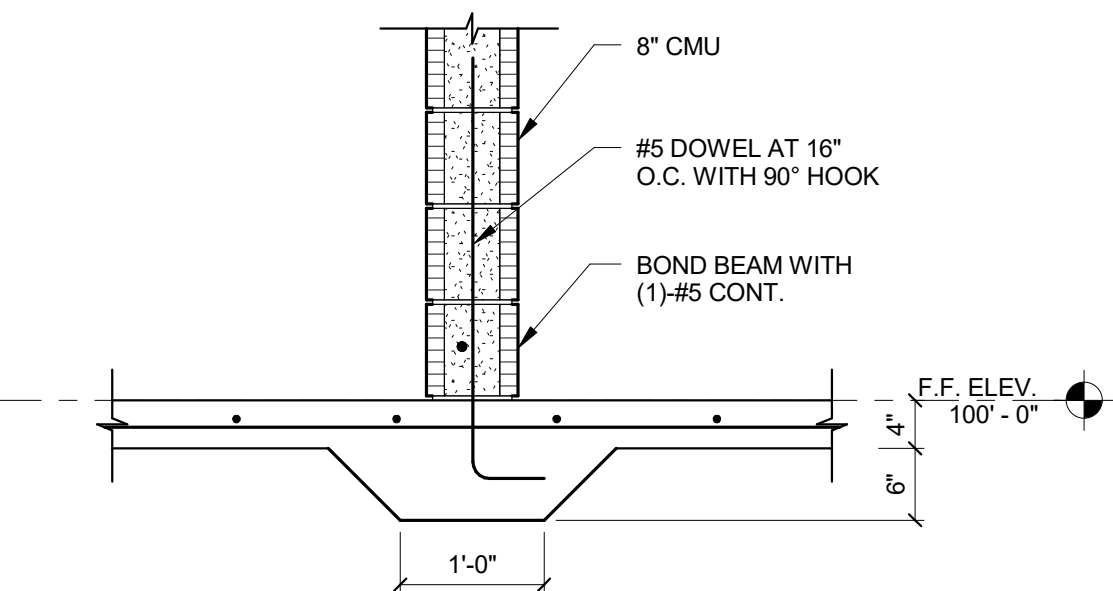
7 DETAIL AT STORM SHELTER
3/4" = 1'-0"



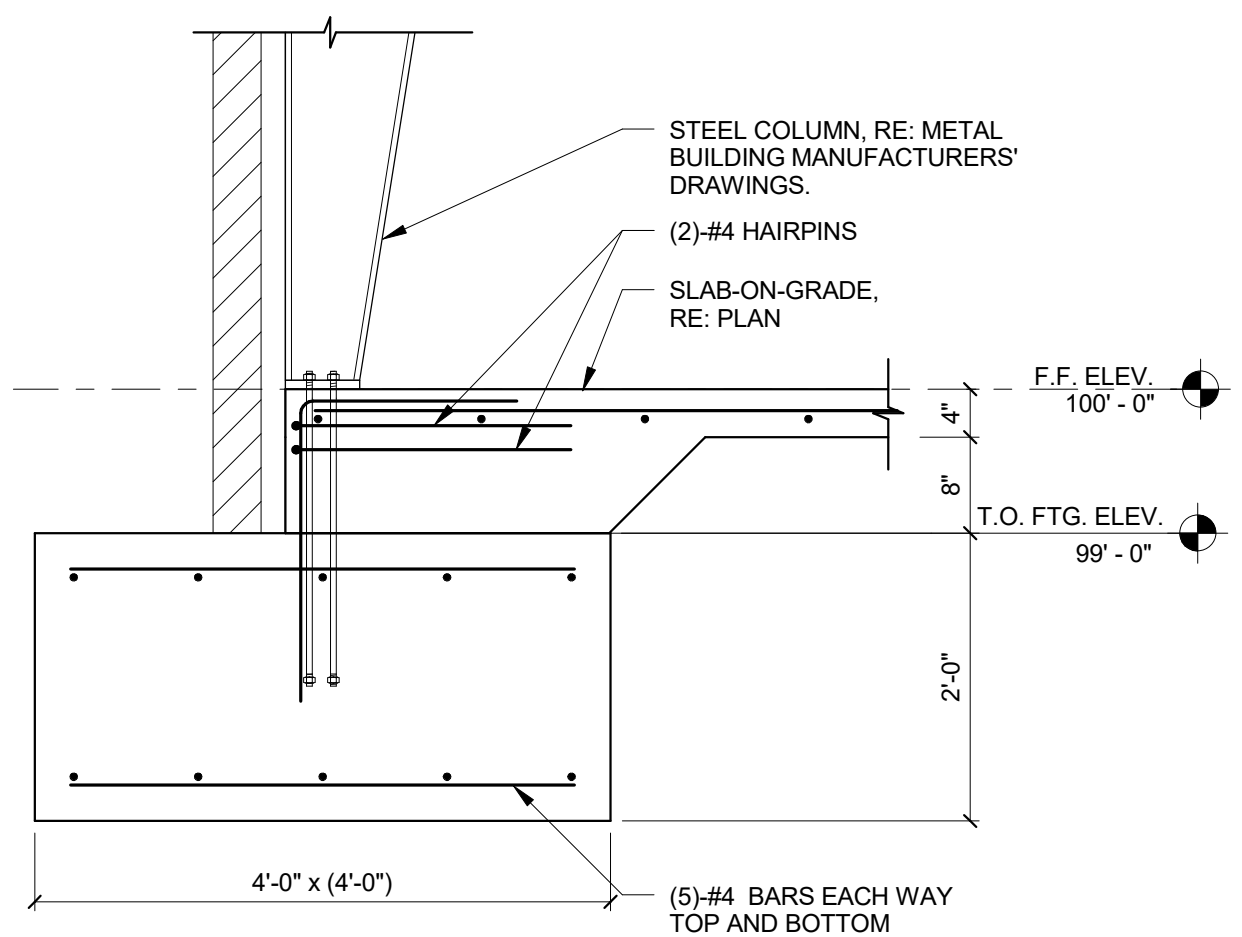
6 DETAIL AT STORM SHELTER
3/4" = 1'-0"



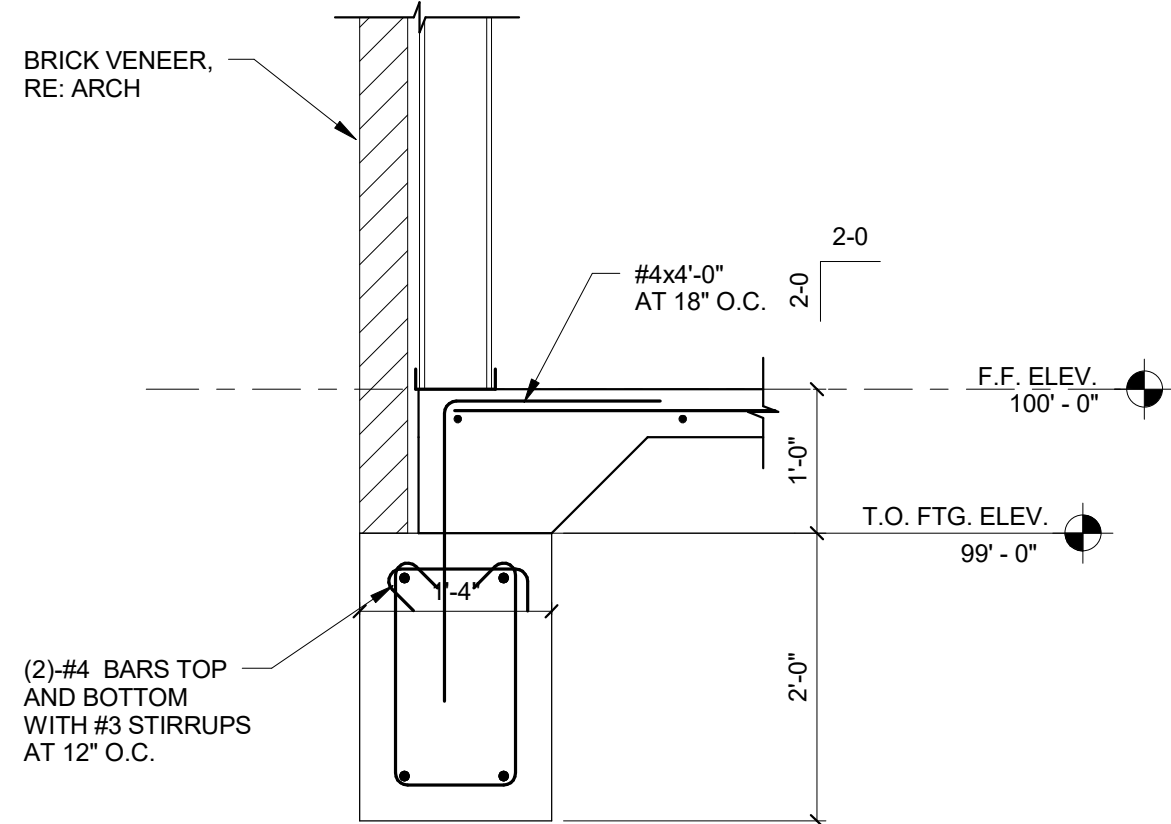
5 DETAIL AT COLUMN
3/4" = 1'-0"



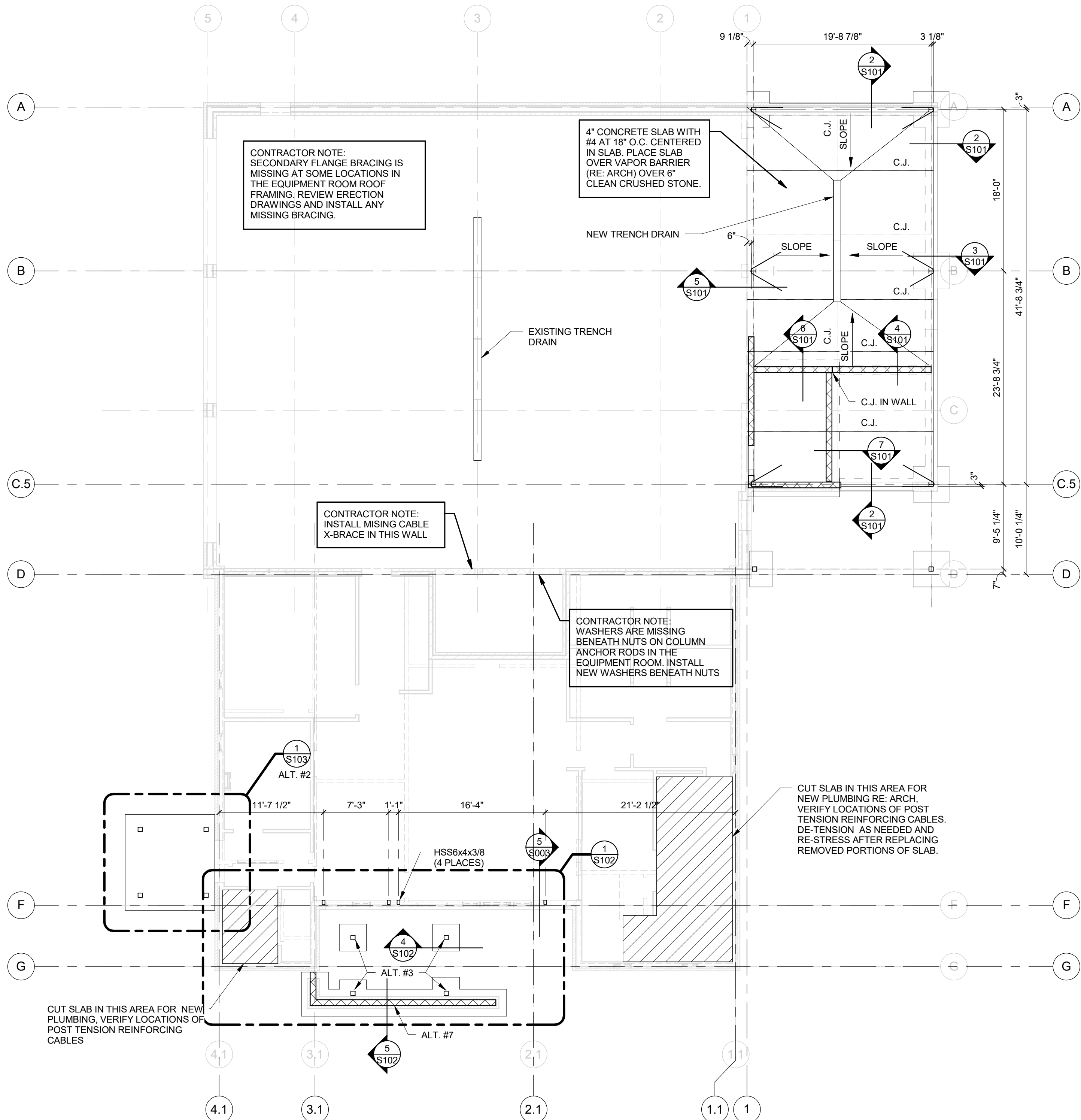
4 THICKENED SLAB DETAIL
3/4" = 1'-0"



3 DETAIL AT COLUMN
3/4" = 1'-0"



2 DETAIL AT EXTERIOR FOOTING
3/4" = 1'-0"



1 FOUNDATION PLAN
1/8" = 1'-0"

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FIRE STATION NO. 2 REHAB
1401 Bryan Street Shawnee, Oklahoma

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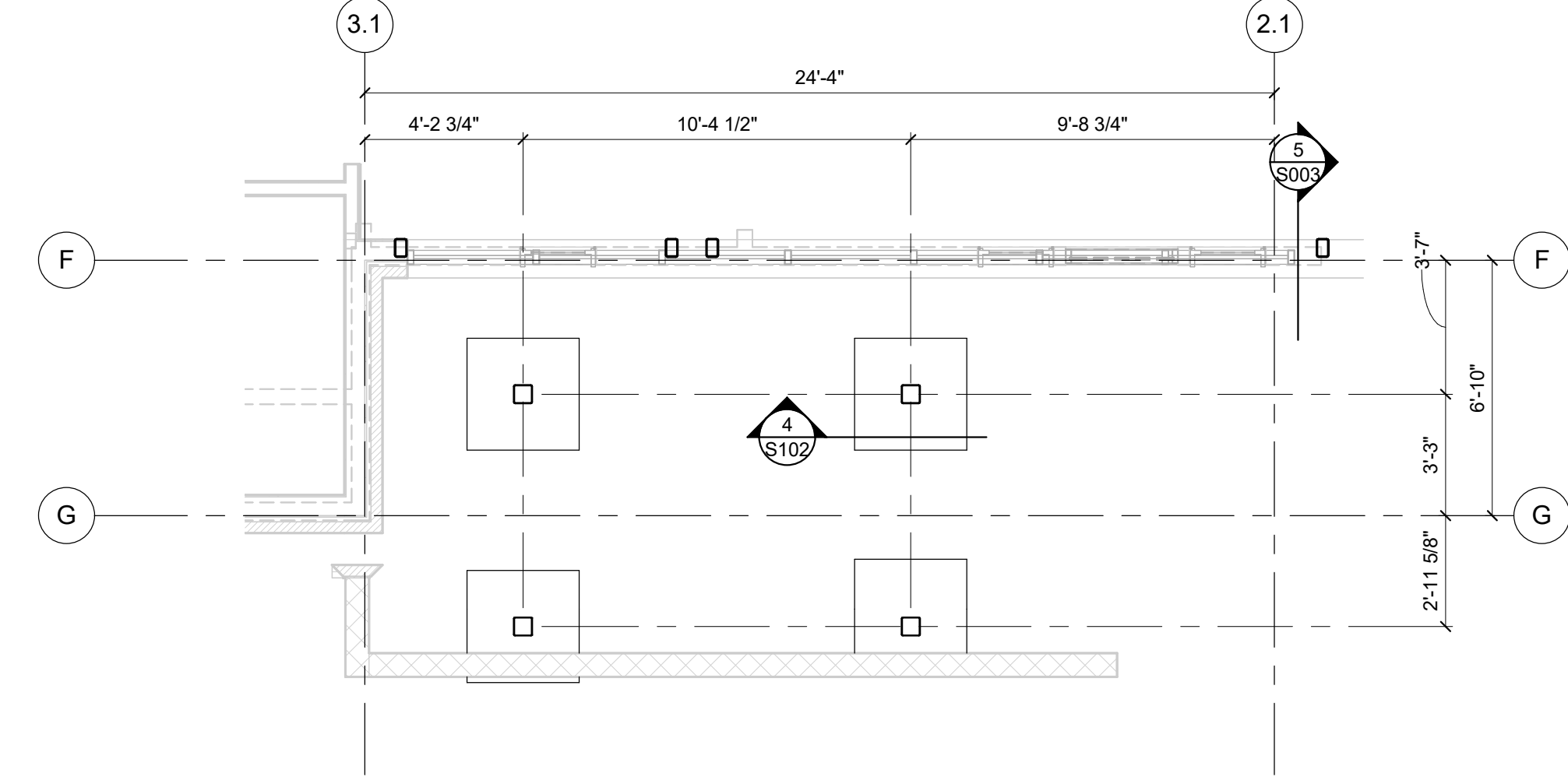
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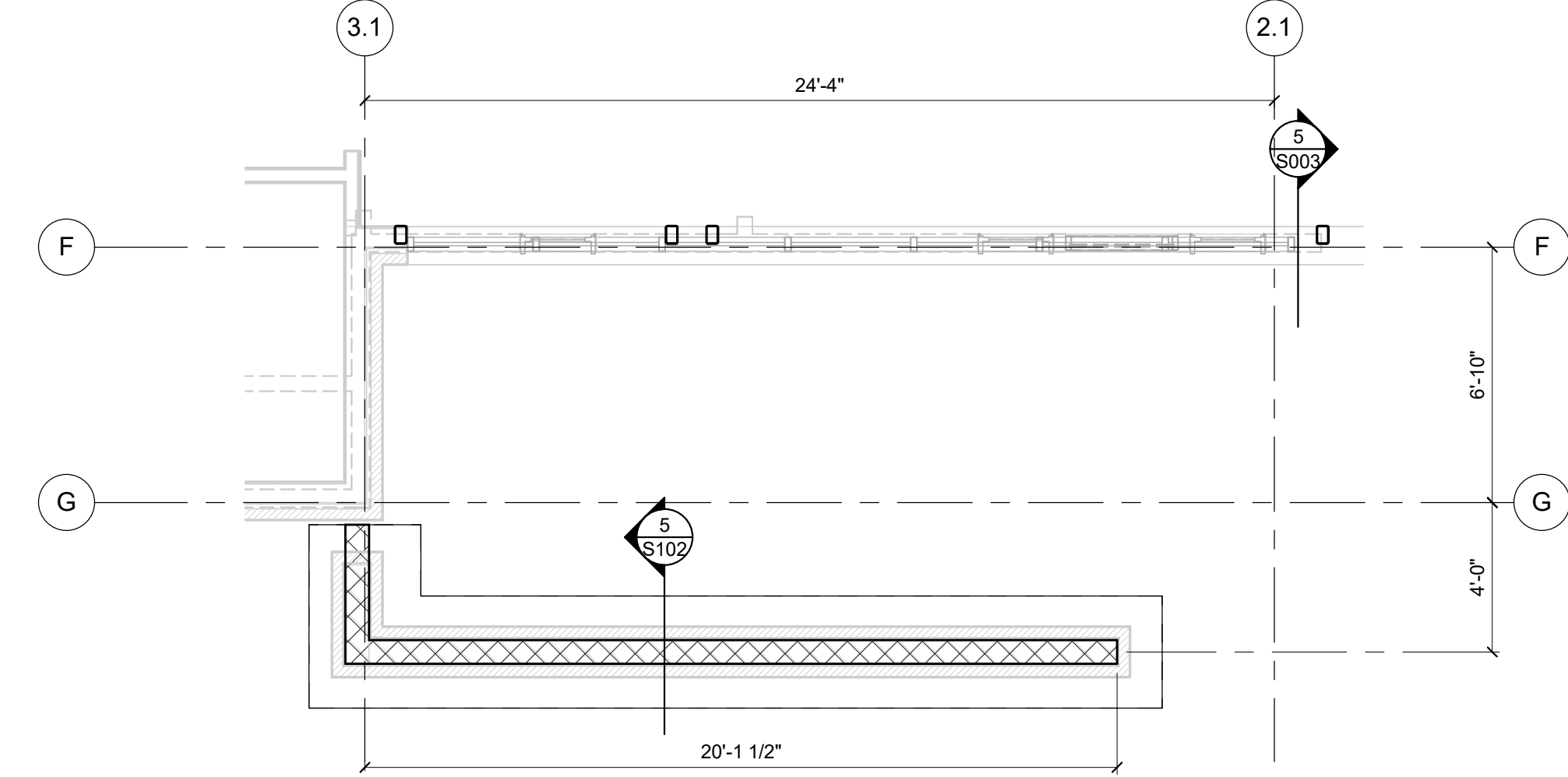
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PLAN

SHEET NUMBER

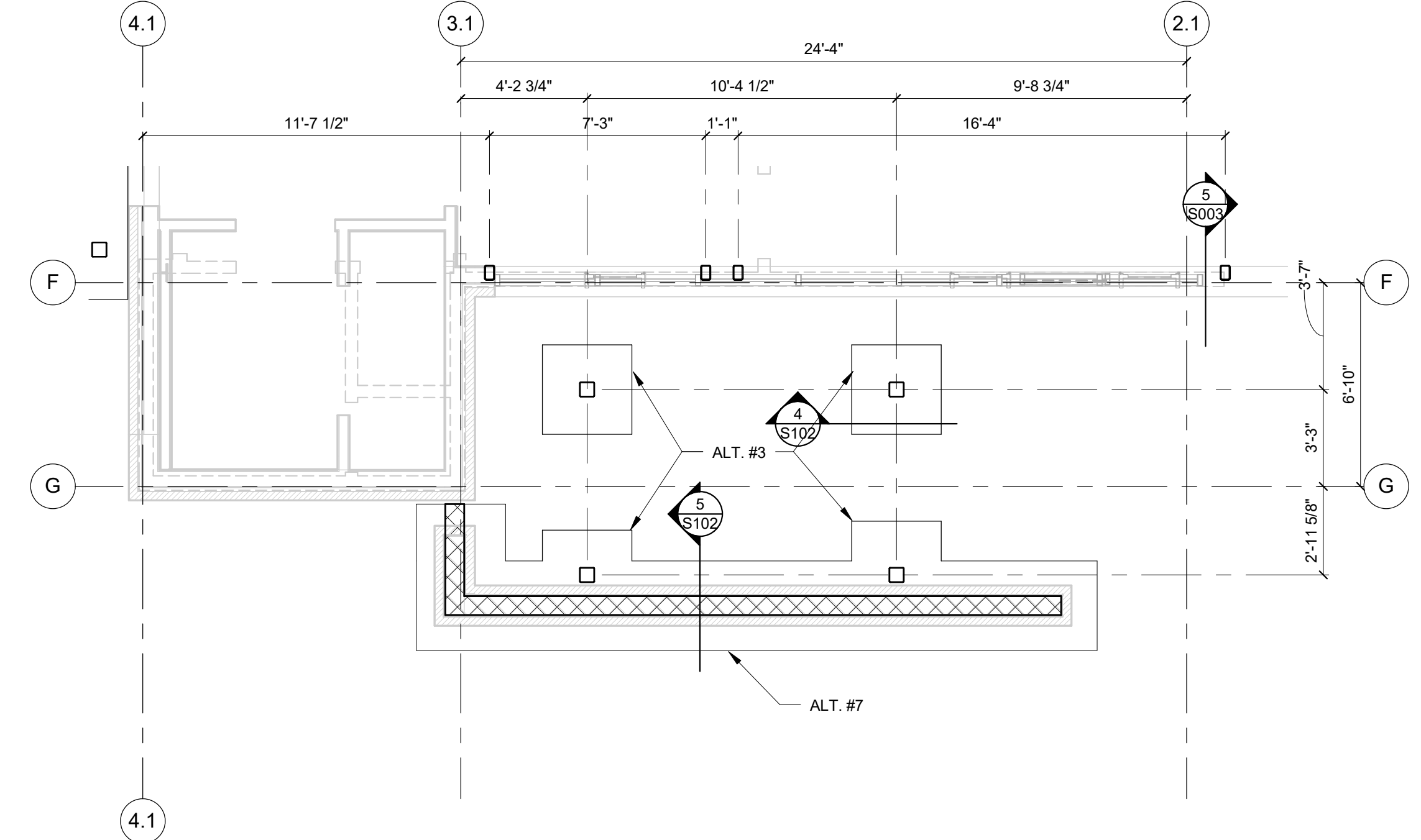
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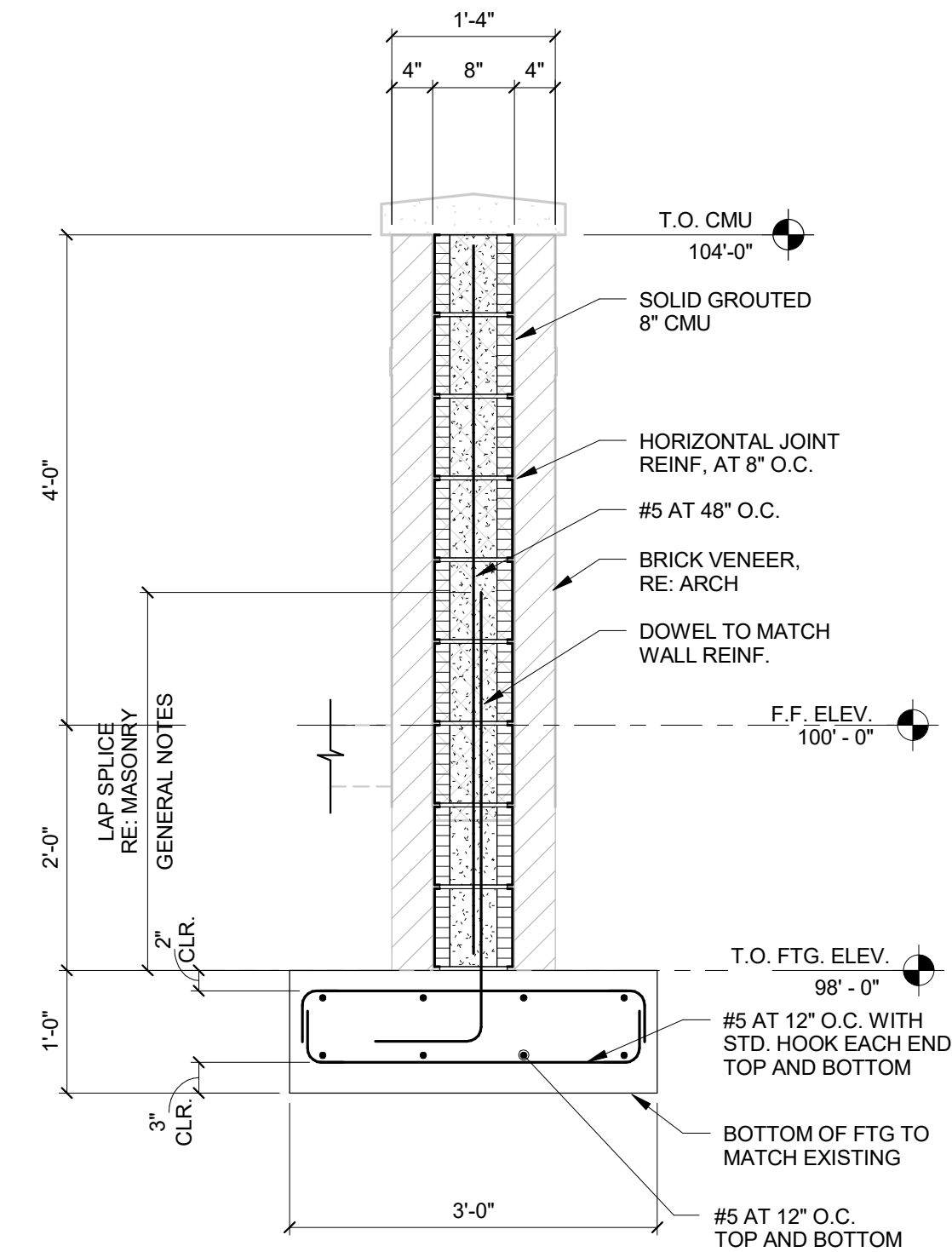
3 TRELLIS FOUNDATION - (ALT. #3 ALONE)



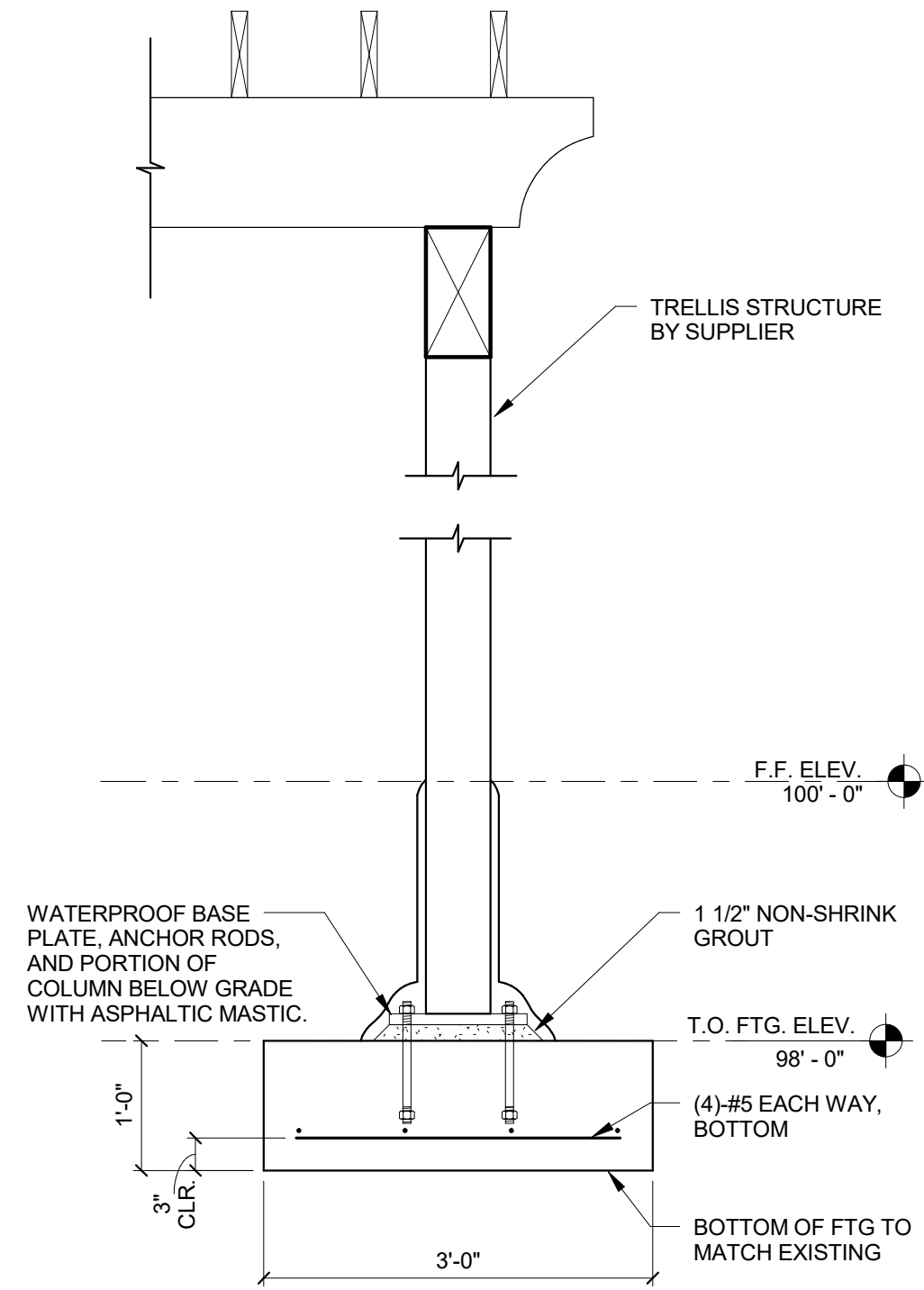
2 SCREENWALL FOUNDATION - (ALT. #7 ALONE)



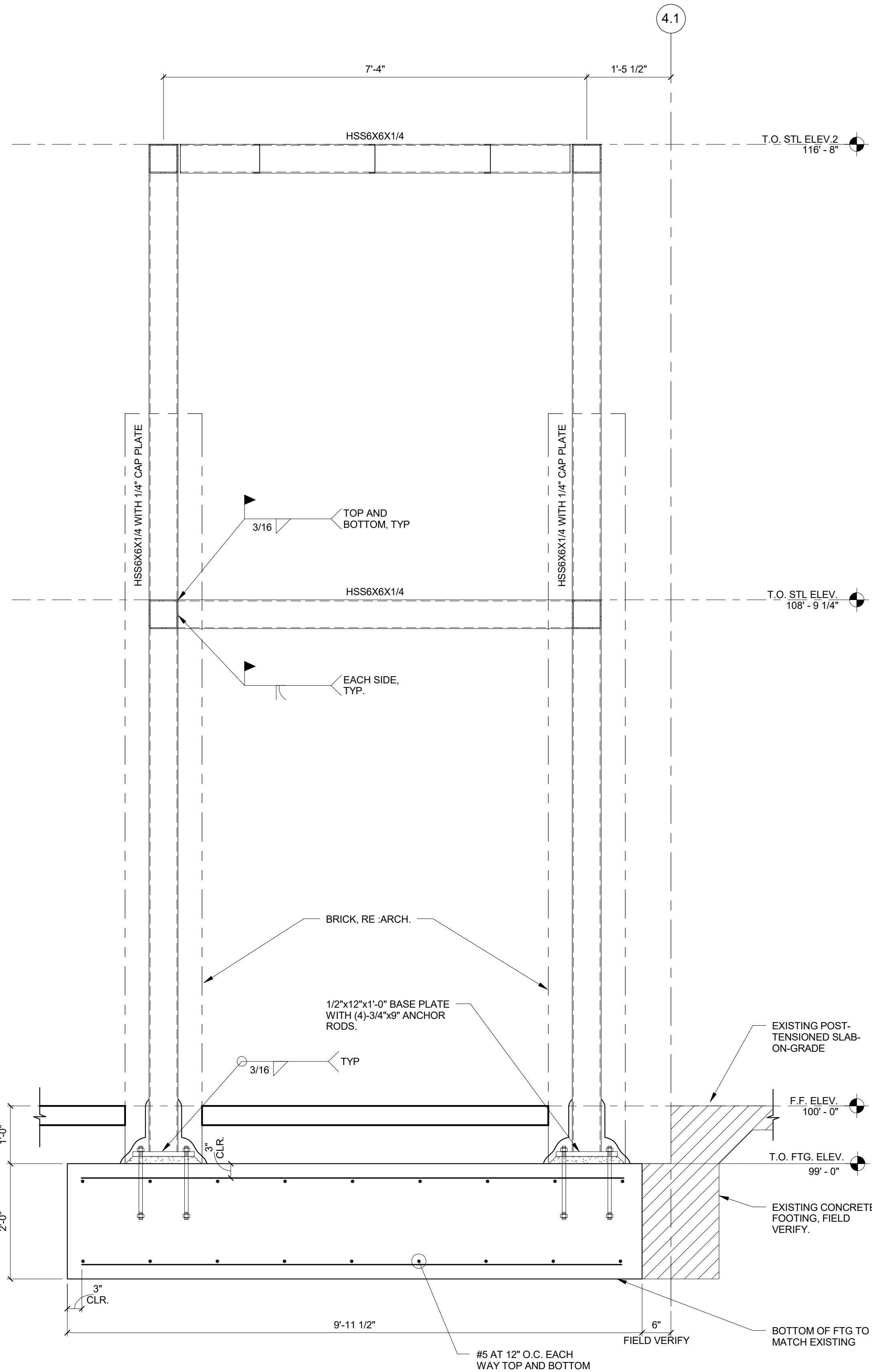
1 TRELLIS FOUNDATION PLAN - (ALT. #3 AND #7 CONNECTED)



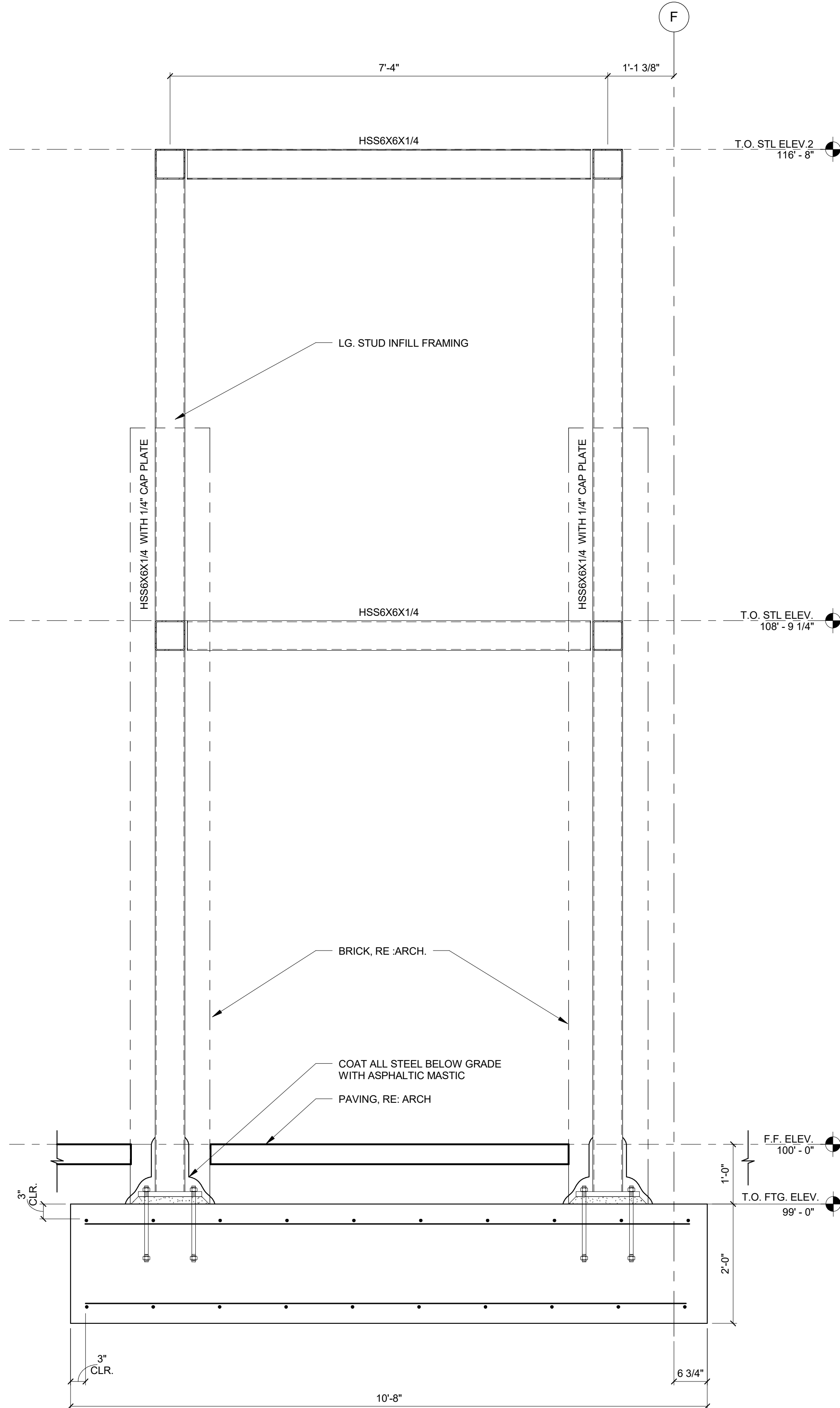
5 DETAIL AT SCREEN WALL - (ALT. #7)



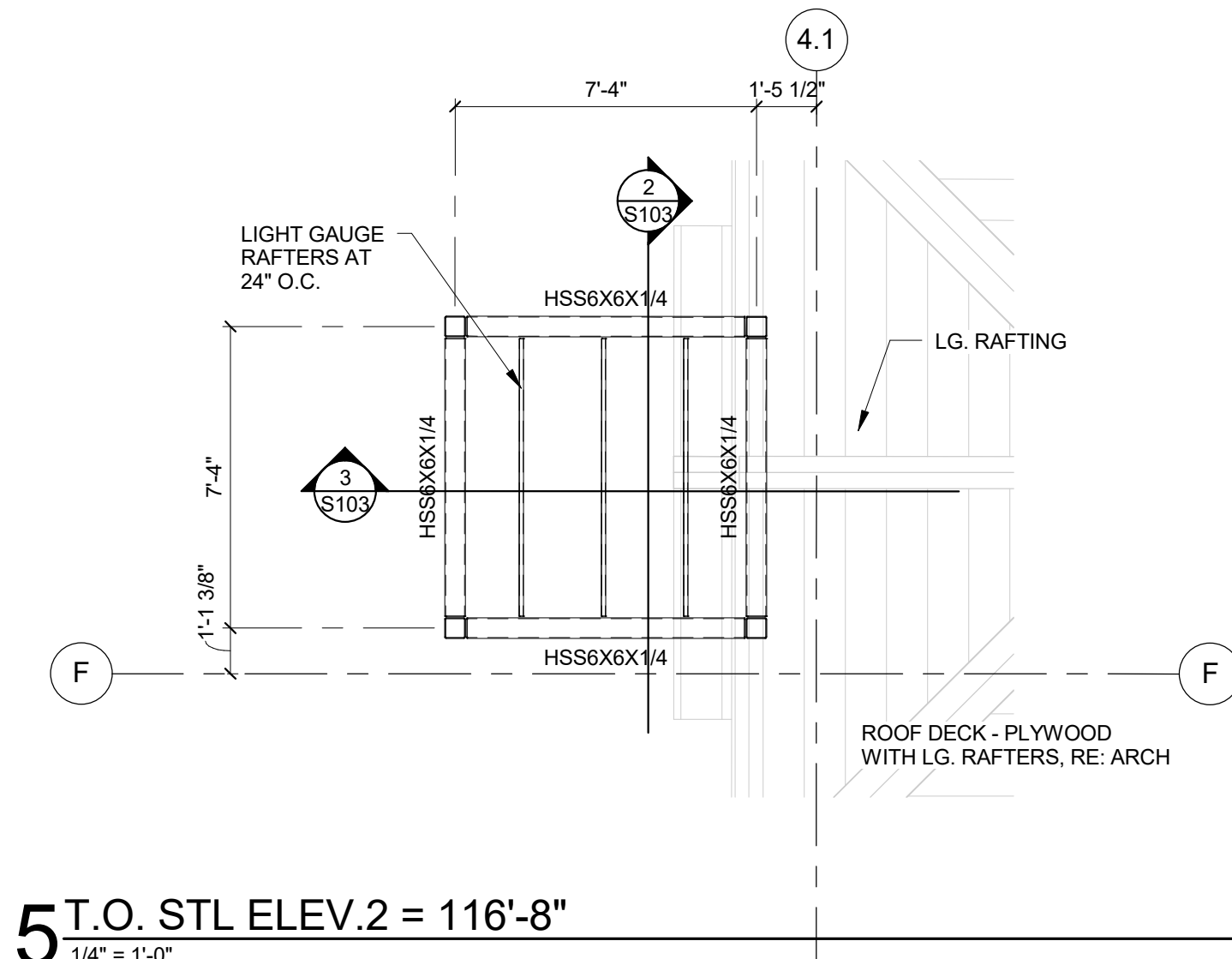
4 ALTERNATE PRE-ENGINEERED TRELLIS - (ALT. #3)



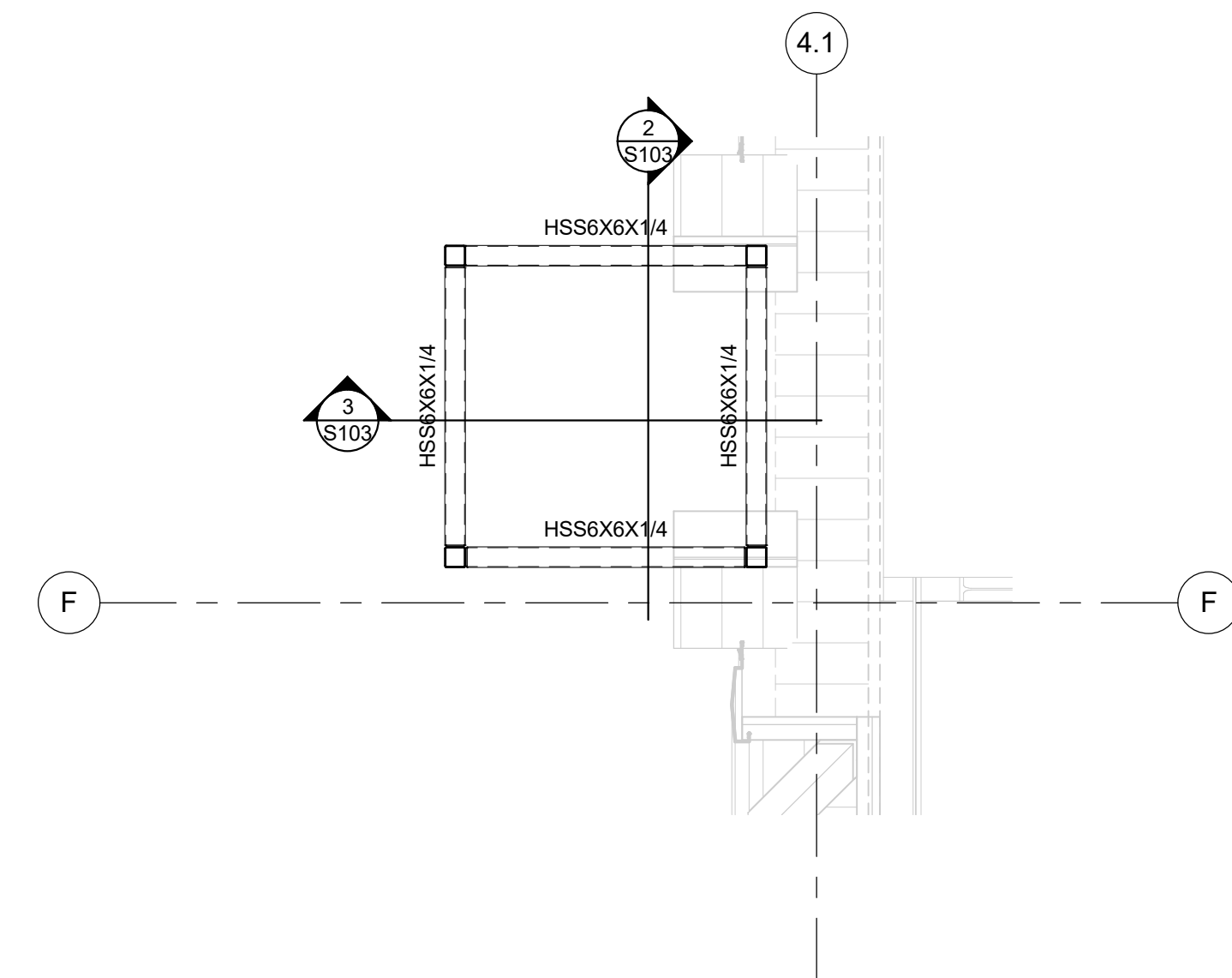
3 SECTION AT TOWER
3/4" = 1'-0"



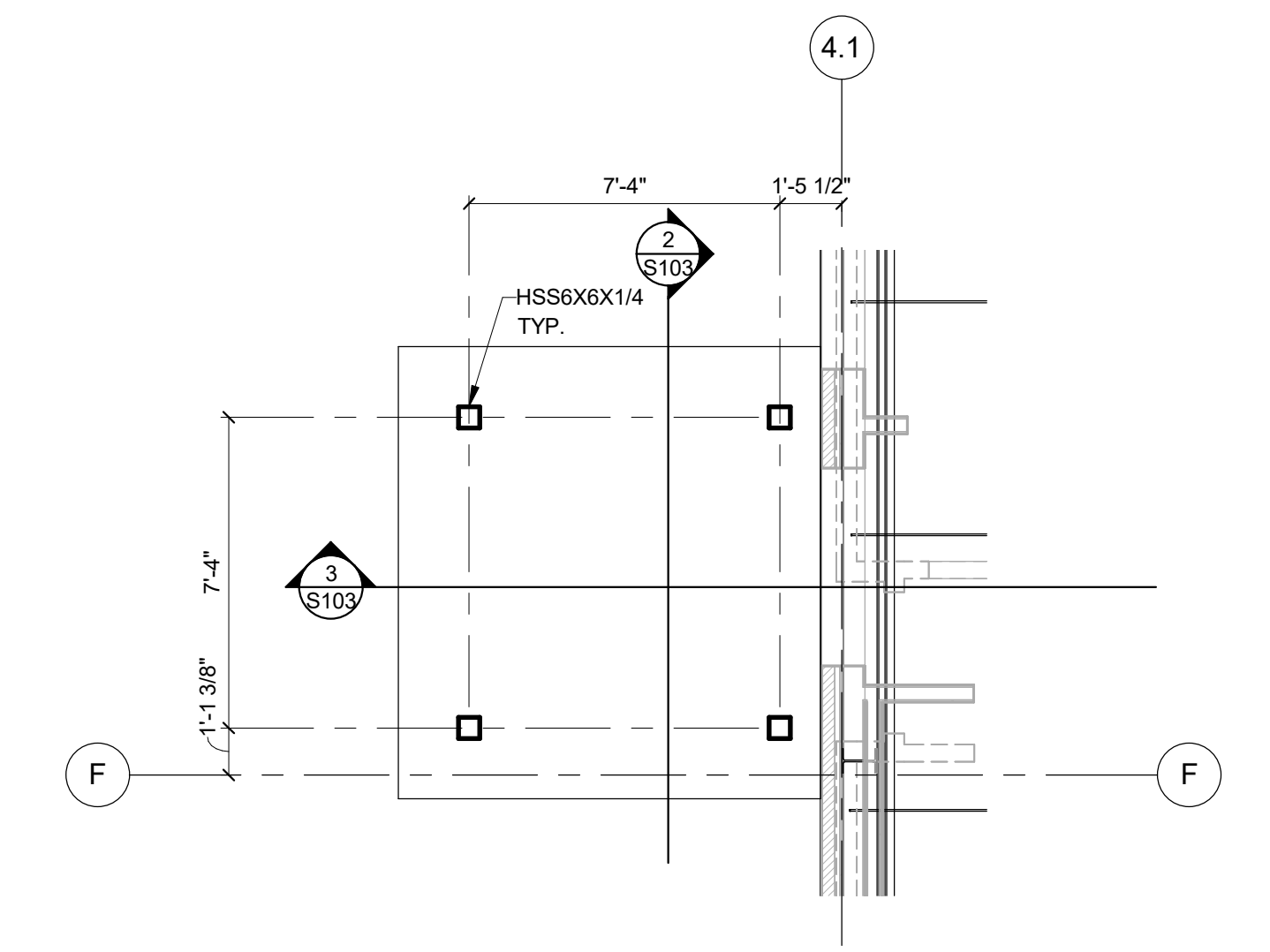
2 SECTION AT TOWER
3/4" = 1'-0"



5 T.O. STL ELEV.2 = 116'-8"
1/4" = 1'-0"



4 T.O. STL ELEV. = 108'-9 1/4"
1/4" = 1'-0"



1 TOWER FOUNDATION PLAN
1/4" = 1'-0"

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DS
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TITLE
FOUNDATION
BLOWUP AND
DETAILS

SHEET NUMBER

S103

ALT. #2

SCHEDULE OF ALTERNATES

1. **ALTERNATE NO. 1 GENERATOR**
BASE BID:
REINSTALL EXISTING NATURAL GAS GENERATOR AND AUTOMATIC TRANSFER SWITCH. CONNECT CIRCUITS AS INDICATED ON ELECTRICAL PLAN. WORK INCLUDES NEW CONCRETE PAD, GAS SUPPLY LINE, ELECTRICAL FEEDERS, AND ALL OTHER ITEMS NECESSARY FOR A COMPLETE, OPERATIONAL SYSTEM.

ALTERNATE NO. 1:
INSTALL NEW 150KW NATURAL GAS GENERATOR AND AUTOMATIC TRANSFER SWITCH. CONNECT CIRCUITS AS INDICATED ON ELECTRICAL PLAN. WORK INCLUDES NEW CONCRETE PAD, GAS SUPPLY LINE, ELECTRICAL FEEDERS, AND ALL OTHER ITEMS NECESSARY FOR A COMPLETE, OPERATIONAL SYSTEM.

2. **ALTERNATE NO. 2 ENTRY TOWER**
BASE BID:
NO ENTRY TOWER IS INCLUDED IN THE BASE BID. THE BASE BID SHALL INCLUDE ROOF FRAMING WITH A GABLE END ABOVE THE ENTRY DOOR. EXTERIOR SIGNAGE AND GRAPHICS SHALL BE INCLUDED ON THE WALL ADJACENT TO THE DOOR.

ALTERNATE NO. 2:
INCLUDES ENTRY TOWER WITH CONCRETE FOOTINGS, STRUCTURAL FRAMING, BRICK VENEER, METAL WALL PANELS, SOFFIT PANELS, METAL ROOFING, ROOF CRICKET, AND LIGHTING. EXTERIOR SIGNAGE AND GRAPHICS SHALL BE LOCATED ON THE FACE OF THE TOWER.

3. **ALTERNATE NO. 3 PATIO TRELLIS**
BASE BID:
NO TRELLIS AT THE PATIOS IS PROVIDED. NO CONCRETE FOOTINGS ARE INCLUDED.

ALTERNATE NO. 3A:
PROVIDE PRE-ENGINEERED STEEL TRELLIS AT PATIO WITH POWDER COATED FINISH. INCLUDE CONCRETE FOOTINGS.

ALTERNATE NO. 3B:
PROVIDE WOOD FRAMED TRELLIS AT PATIO. INCLUDE CONCRETE FOOTINGS.

4. **ALTERNATE NO. 4 CASEWORK**
BASE BID:
PLASTIC LAMINATE CABINETS AND COUNTERTOPS.

ALTERNATE NO. 4A:
PAINTED STEEL CASEWORK WITH STAINLESS STEEL COUNTERTOPS.

ALTERNATE NO. 4B:
STAINLESS STEEL CASEWORK WITH STAINLESS STEEL COUNTERTOPS.

5. **ALTERNATE NO. 5 EXTERIOR BRICK VENEER**
BASE BID:
EXTERIOR BRICK VENEER EXTENDS TO 4'-0" ABOVE FINISH FLOOR WITH EXTERIOR METAL WALL PANELS FROM 4'-0" TO THE ROOF SOFFIT.

ALTERNATE NO. 5:
EXTERIOR BRICK VENEER EXTENDS FULL HEIGHT (TO BOTTOM OF SOFFIT) OR TO 10'-0" ABOVE FINISH FLOOR AT THE APPARATUS BAY WITH EXTERIOR METAL WALL PANELS FROM 10'-0" TO THE ROOF SOFFIT. THE BRICK VENEER INCLUDES ACCENT BRICK PATTERN AS NOTED AND SOLDIER COURSE ABOVE WINDOWS AND DOORS. INCLUDES STEEL LINTEL ANGLES ABOVE OPENINGS. INCLUDES CAST STONE CAPS AS INDICATED ON DRAWINGS.

6. **ALTERNATE NO. 6 CONCRETE SLAB FINISH**
BASE BID:
REMOVE ALL EXISTING FLOORING MATERIALS. CLEAN THE EXISTING SLAB TO REMOVE ALL ADHESIVES AND RESIDUE. PATCH ALL CRACKS AND VOIDS PER MANUFACTURER'S RECOMMENDATIONS. STAIN AND SEAL THE SLAB. WORK INCLUDES SAMPLE PANELS FOR COLOR SELECTION AND APPROVAL.

ALTERNATE NO. 6:
REMOVE ALL EXISTING FLOORING MATERIALS. CLEAN THE EXISTING SLAB TO REMOVE ALL ADHESIVES AND RESIDUE. PATCH ALL CRACKS AND VOIDS PER MANUFACTURER'S RECOMMENDATIONS. GRIND AND POLISH THE EXISTING SLAB PER SPECIFICATIONS. WORK INCLUDES SAMPLE PANELS FOR APPROVAL.

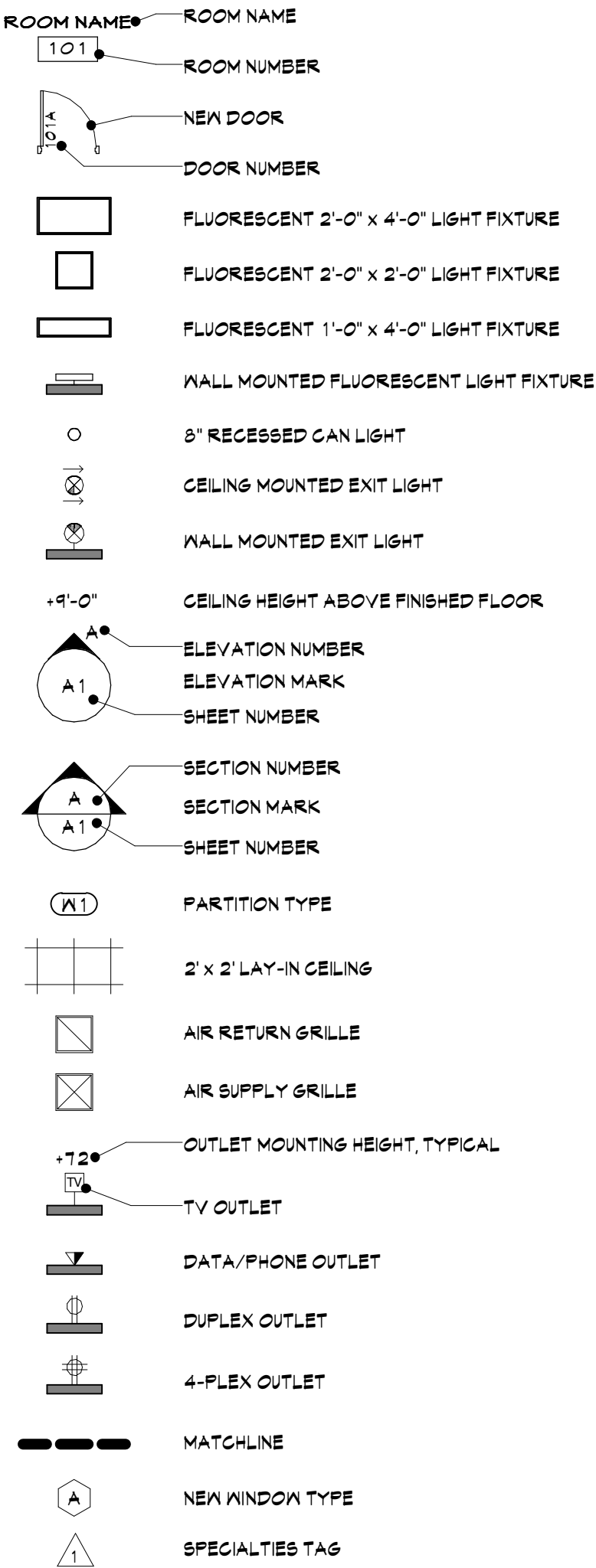
7. **ALTERNATE NO. 7 BRICK SCREEN WALL**
BASE BID:
NO BRICK SCREEN WALL IS INCLUDED.

ALTERNATE NO. 7:
INCLUDES CONCRETE FOOTING, STRUCTURAL CMU WALL, BRICK VENEER AT ALL EXPOSED SIDES, AND CAST STONE CAP.

8. **ALTERNATE NO. 8 FULL-GLASS OVERHEAD DOORS**
BASE BID:
INSULATED OVERHEAD DOORS WITH VISION PANELS. INCLUDES ELECTRIC OPERATORS.

ALTERNATE NO. 8:
FULL GLASS OVERHEAD DOORS WITH INSULATED GLAZING UNITS. INCLUDES ELECTRIC OPERATORS.

SYMBOLS



TYPICAL ABBREVIATIONS

@	at	JAN	janitor
\$	and	LAV	lavatory
ADJ	adjustable	MAX	maximum
AFF	above finished floor	MECH	mechanical
A/C	air conditioner	MIN	minimum
ALT	alternate	MISC	miscellaneous
ALUM	aluminum	MO	masonry opening
APPROX	approximate (ly)	N	north
ARCH	architect (ural)	NC	not in contact
BLDG	building	NRC	noise reduction coefficient
BUR	built up roofing	NTS	not to scale
CPT	carpet (ed)	OC	on center (s)
CLG	ceiling	OFCL	owner furnished, contractor installed
CL	center line	OFOI	owner furnished, owner installed
CLR	clear (ance)	OHD	overhead door
CLO	closet	OPP	opposite
COL	column	ORD	overflow roof drain
CONC	concrete	PBB	passenger boarding bridge
CMU	concrete masonry unit	P.LAM	plastic laminate
CONST	construction	PT	paint (ed)
CJ	control joint	PTD	paper towel dispenser
CORR	corridor	PVC	polyvinyl chloride
CU	condensor unit	PRD	primary roof drain
DIV	division	R	radius
DN	down	REF	reference
DS	downspout	REV	revision (s), revised
DF	drinking fountain	RD	roof drain
E	east	RM	room
EIFS	exterior insulation finish system	S	south
EJ	expansion joint	SF	square feet
ELEC	electric (al)	SHT	sheet
ENG	electric water cooler	SIM	similar
EL	elevator	SPEC	specification (s)
ELEV	elevation	SSS	stainless steel
EQ	equal	STD	standard
EQUIP	equipment	STOR	storage
EXIST	existing	SUSP	suspended
EXT	exterior	TOS	top of steel
FCU	fan coil unit	TON	top of wall
FEC	fire extinguisher cabinet	TYP	typical
FEX	fire extinguisher	UC	under counter
FIN FL	finish floor	UCN	unless otherwise noted
GALV	galvanized	VCT	vinyl composition tile
GYP BD	gypsum board	VERT	vertical
HM	hollow metal	VEST	vestibule
HORIZ	horizontal	W	west
HR	hour	W/	with
HT	height	WC	water closet
HVAC	heating/ventilating/air conditioning	WH	water heater
INSUL	insulation		
INT	interior		

GENERAL NOTES

FLOOR PLAN

- A. NEW WORK SHOWN BOLD, TYPICAL.
B. EXISTING WORK SHOWN LIGHT, TYPICAL.
C. WALL FINISH AND/OR FIRE OR SMOKE RATING INDICATED ON A WALL, SHALL MEAN THE ENTIRE LENGTH OF WALL IS TO BE FINISHED OR RATED AS INDICATED.
D. ALL PENETRATIONS OF DUCTWORK, CONDUIT, PIPING, AND SIMILAR WORK THROUGH RATED WALLS, SHALL BE SEALED USING U.L. APPROVED METHODS TO MAINTAIN THE RATING OF THE ASSEMBLY.
E. PROVIDE CONCEALED BLOCKING AS REQUIRED IN PARTITIONS FOR ALL SPECIALTIES AND EQUIPMENT INCLUDING CORNER GUARDS, HANDRAILS, MIRRORS, TOILET PARTITIONS, GRAB BARS, DISPENSERS, ETC.

ROOF PLAN

- A. EQUIPMENT REQUIRING SERVICE ACCESS TO BE LOCATED A MINIMUM OF 10'-0" FROM EDGE OF ROOF. COORDINATE LOCATION OF ROOF TOP DEVICES AND PENETRATIONS WITH STRUCTURAL, MECHANICAL, AND PLUMBING SYSTEMS.

REFLECTED CEILING PLAN

- A. CENTER ALL CEILING GRIDS IN ROOMS OR SPACES UNLESS DIMENSIONED OTHERWISE. ALL LIGHTS, SPRINKLER HEADS, DIFFUSERS, GRILLS, ETC. TO BE INSTALLED IN CEILING TILE, ARE TO BE CENTERED IN THE TILE, UNLESS OTHERWISE INDICATED.
B. COORDINATE PLACEMENT OF ALL CEILING ELEMENTS WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION INSTALLATION. WHERE DISCREPANCIES EXIST BETWEEN DRAWINGS AND INSTALLATION, CONSULT ARCHITECT PRIOR TO PROCEEDINGS.
C. CONFIRM LOCATION OF ALL LIGHTS AND MECHANICAL DIFFUSERS LOCATED IN GYPSUM BOARD CEILINGS AND SOFFITS WITH ARCHITECT PRIOR TO PLACEMENT.

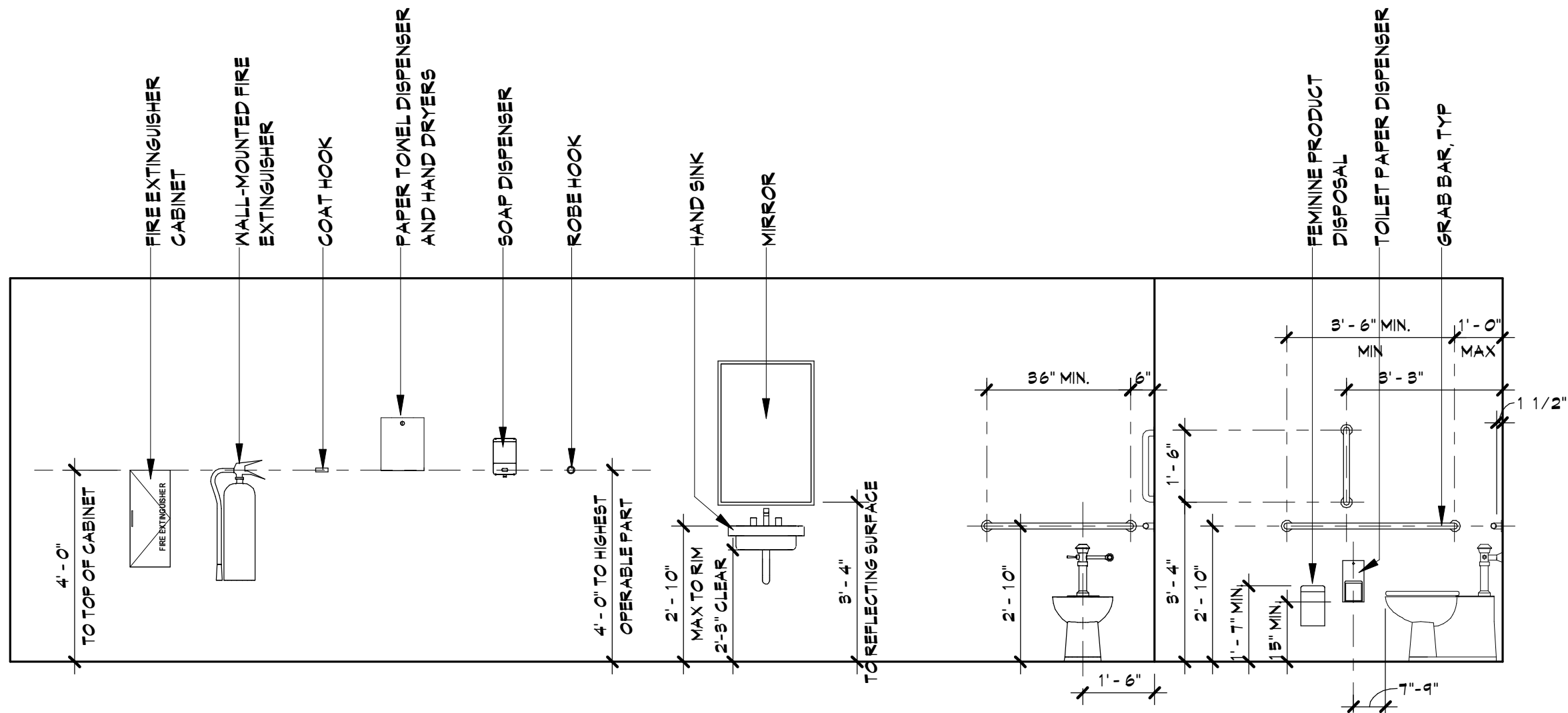
DEMOLITION PLAN

- A. DEMOLITION NOTED ON PLANS.
B. LOCATIONS OF EXISTING ITEMS NOTED FOR DEMOLITION MAY BE APPROXIMATE. VERIFY EXISTING FIELD CONDITIONS AND REVIEW DISCREPANCIES WITH ARCHITECT.
C. VERIFY LOCATION OF ALL STRUCTURAL ELEMENTS OF EXISTING CONSTRUCTION AND BRACE AS REQUIRED. COORDINATE DEMOLITION WITH NEW STRUCTURAL REQUIREMENTS AND REVIEW DISCREPANCIES WITH ARCHITECT.
D. REMOVE EXISTING FINISH MATERIALS WHERE NOTED ON DRAWINGS AND WHERE NEW FINISHES ARE SCHEDULED. CLEAN AND PREPARE SUB-SURFACES AS REQUIRED FOR NEW FINISHES.
E. DISCONNECT ALL MECHANICAL EQUIPMENT, LIGHTING, DUCTWORK, ETC. AS REQUIRED TO ACCOMMODATE DEMOLITION. REFERENCE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

DIMENSION NOTES

- A. MASONRY DIMENSIONS ARE TAKEN TO THE EXTERIOR FACE OF MASONRY UNLESS OTHERWISE NOTED.
B. INTERIOR GYPSUM BOARD PARTITIONS ARE TAKEN TO THE OUTSIDE FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED.
C. DIMENSIONS NOTED WITH A PLUS/MINUS (+/-) ARE FLEXIBLE TO A TOLERANCE OF 1/2". CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE STARTING WORK IF DIMENSIONS VARY MORE THAN THE INDICATED TOLERANCES.
D. DIMENSIONS NOTED AS "CLEAR" SHALL BE TAKEN TO THE FACE OF THE FINAL FINISHED SURFACE.

TYPICAL MOUNTING HEIGHTS



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CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB

1401 North Bryan Avenue Shawnee, Oklahoma

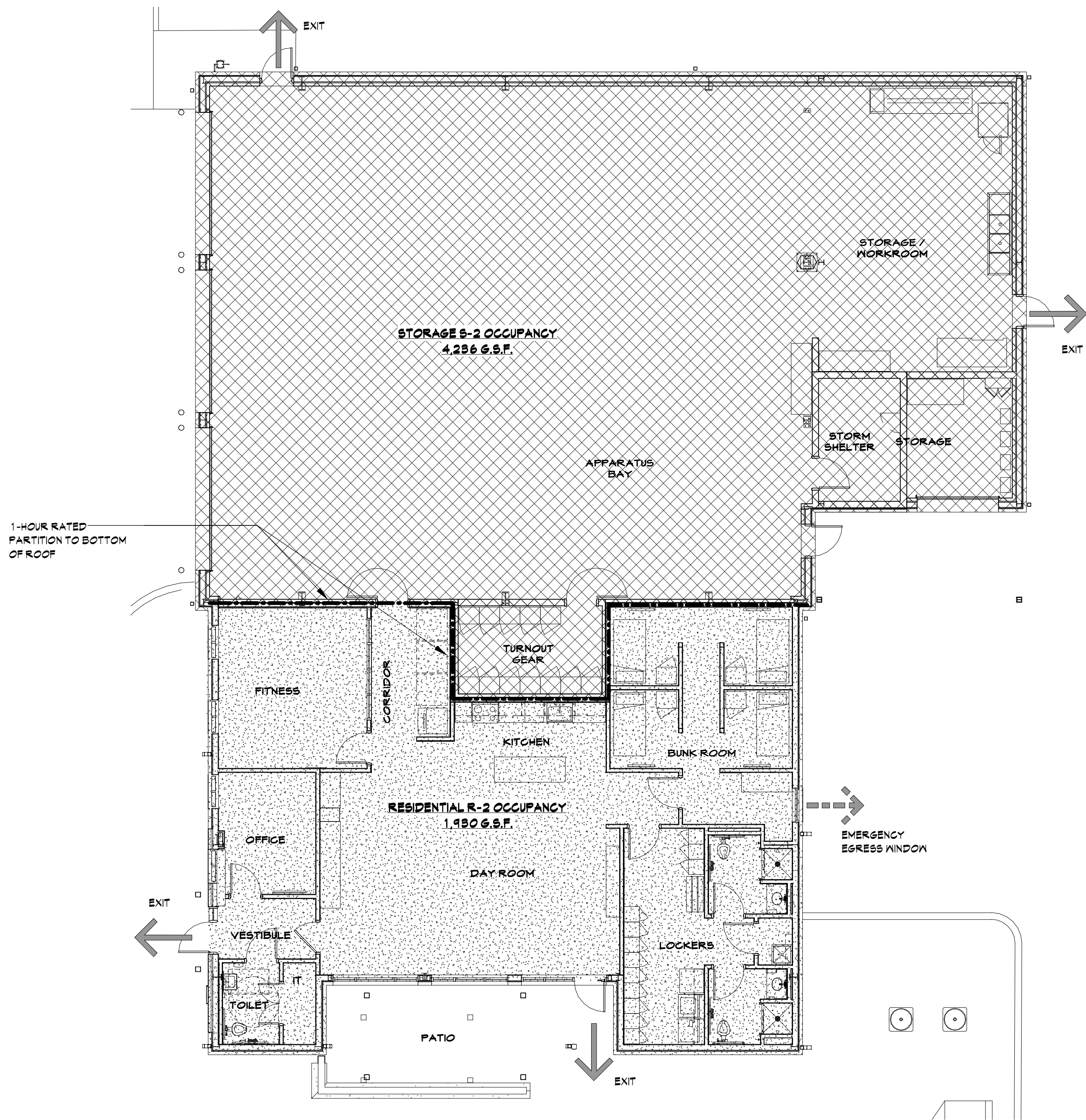
ISSUE DATE
01/09/17
ISSUE DATE

PROJECT NUMBER
1114-01
RE/REVIEWED BY
TO
DRAWN BY
LS

TITLE
GENERAL
INFORMATION

SHEET NUMBER

GO 1



A CODE COMPLIANCE FLOOR PLAN
SCALE: 1/8" = 1'-0"
NORTH

CODE SUMMARY

APPLICABLE CODE: 2015 INTERNATIONAL BUILDING CODE

PROJECT DESCRIPTION:
RENOVATION OF AN EXISTING 5,514 SQUARE FOOT, 1-STORY FIRE STATION WITH AN 898 SQUARE FOOT BUILDING ADDITION. TOTAL AREA WILL BE 6,412 SQUARE FEET.

USE AND OCCUPANCY:
• RESIDENTIAL GROUP R-2 SECTION 310.4 AREA: 2,296 S.F.
• STORAGE GROUP S-2 SECTION 311.3 AREA: 4,296 S.F.

SPECIAL REQUIREMENTS BASED ON OCCUPANCY:
420.2 WALLS SEPARATING DWELLING UNITS SHALL BE FIRE PARTITIONS PER SECTION 708. A 1-HOUR RATED PARTITION IS PROVIDED BETWEEN GROUP R-2 AND STORAGE (S-2) USE PER TABLE 508.4.

420.5 RESIDENTIAL USE GROUP REQUIRED AN AUTOMATIC SPRINKLER SYSTEM. THE BUILDING WILL BE PROTECTED THROUGHOUT WITH AN NFPA 13 FIRE SPRINKLER SYSTEM.

420.6 RESIDENTIAL GROUP R-2 REQUIRES A FIRE ALARM SYSTEM. AN ALARM SYSTEM IS PROVIDED THROUGHOUT THE BUILDING.

CONSTRUCTION TYPE:
THE BUILDING WILL BE TYPE II-B CONSTRUCTION PER TABLE 601.
0-HOUR RATED STRUCTURAL FRAME
0-HOUR RATED EXTERIOR AND INTERIOR BEARING WALLS
0-HOUR RATED ROOF CONSTRUCTION

BUILDING HEIGHT AND AREAS:
TABLE 504.3 TYPE II-B CONSTRUCTION WITH FIRE SPRINKLER SYSTEM:
ALLOWABLE HEIGHT: 15 FEET ACTUAL: 32 FEET

TABLE 504.4 TYPE II-B CONSTRUCTION WITH FIRE SPRINKLER SYSTEM:
ALLOWABLE STORIES: 4 STORY MAX (S-2) ACTUAL: 1-STORY

TABLE 506.2 TYPE II-B CONSTRUCTION, 1-STORY, WITH FIRE SPRINKLER SYSTEM:
ALLOWABLE AREA: 64,000 S.F. MAX (R-2) ACTUAL: 6,412 S.F.

FIRE BARRIERS:
1-HOUR RATED FIRE PARTITIONS SHALL COMPLY WITH SECTION 708.
EXTEND FROM FLOOR TO THE BOTTOM OF THE ROOF SYSTEM.
EXTEND FROM FACE OF EXTERIOR SHEATHING
ATTIC IS LESS THAN 3,000 S.F. NO DRAFT STOP REQUIRED.

FIRE RATED DOORS:
TABLE 716.5 DOORS IN 1-HOUR RATED FIRE PARTITIONS TO BE 3/4 HOUR (45 MIN).

OCCUPANCY LOAD: TABLE 1004.1.2

USE	AREA (G.S.F.)	AREA PER OCCUPANT	OCCUPANT LOAD
RESIDENTIAL (R-2)	2,296 S.F.	200 S.F./OCCUP.	11.18
STORAGE (S-2)	4,296 S.F.	300 S.F./OCCUP.	14.12
TOTAL	6,412 S.F.		25.30

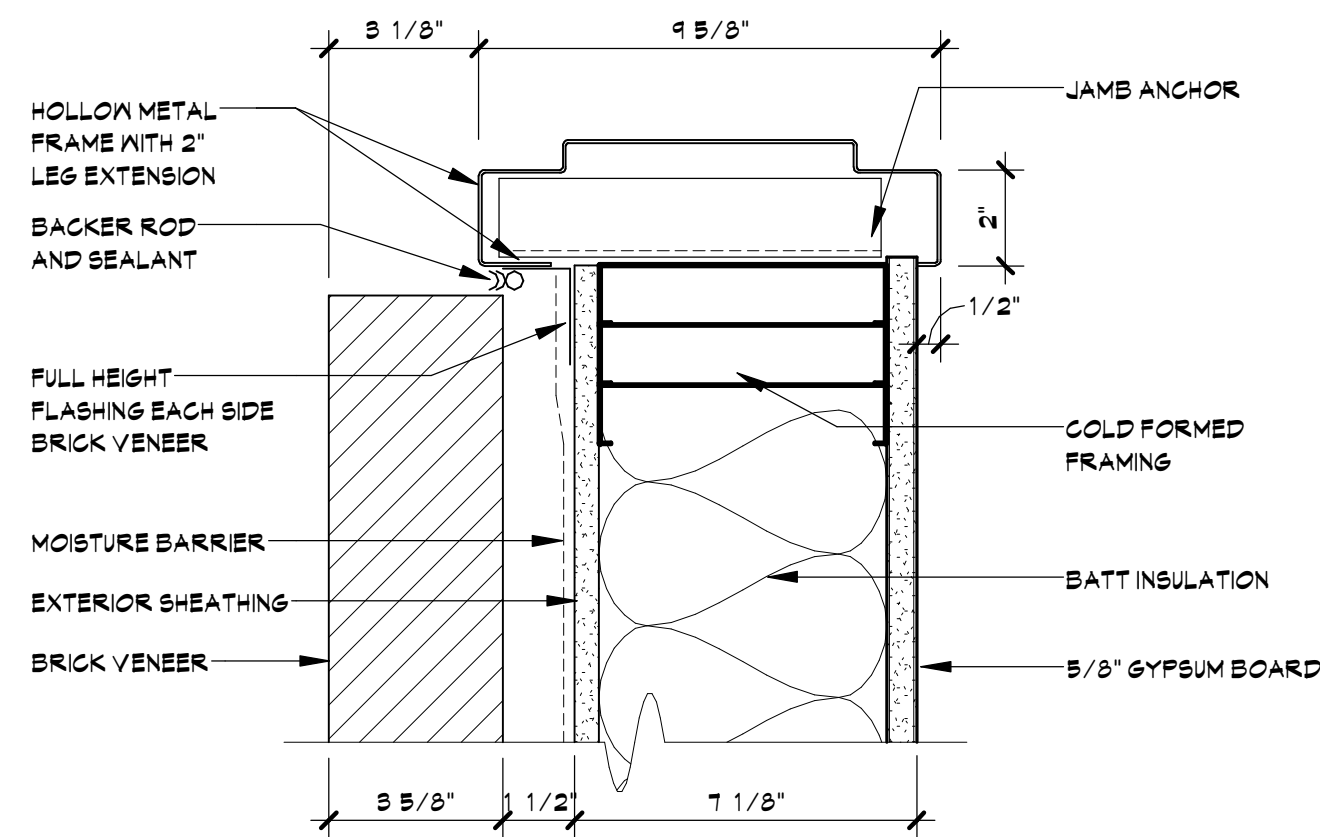
TRAVEL DISTANCE:
MAXIMUM TRAVEL DISTANCE IS 100 FEET PER TABLE 1006.2.1
ACTUAL TRAVEL DISTANCE IS LESS THAN 75 FEET TO AN EXIT.

EMERGENCY EGRESS:
AN EMERGENCY EGRESS WITH A MINIMUM CLEAR OPENING OF 5.7 S.F. IS PROVIDED IN THE RESIDENTIAL R-2 SLEEPING AREA PER SECTION 1030.

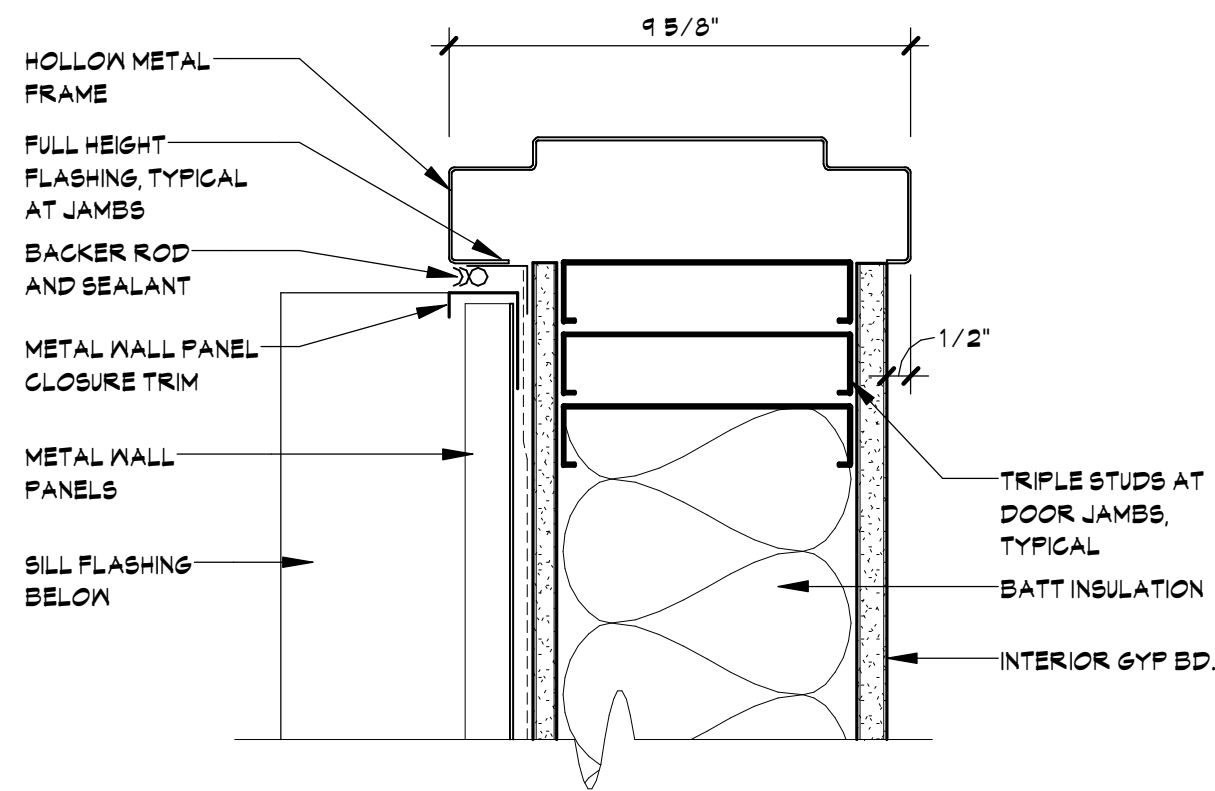
PLUMBING FIXTURE COUNTS:			
RESIDENTIAL (R-2) OCCUPANCY			
AREA: 2,296 S.F.	OCCUPANT LOAD: 11.18 (12 OCCUPANTS)		
WATER CLOSETS	1 PER 10,	12 OCCUP.	1.2 REQUIRED
LAVATORIES	1 PER 10,	12 OCCUP.	1.2 REQUIRED
SHOWERS	1 PER 8,	12 OCCUP.	1.5 REQUIRED
DRINKING FOUNTAINS	1 PER 100,	12 OCCUP.	0.12 REQUIRED
SERVICE SINKS	1 REQUIRED		

STORAGE (S-2) OCCUPANCY			
AREA: 4,296 S.F.	OCCUPANT LOAD: 14.08 (13 OCCUPANTS)		
WATER CLOSETS	1 PER 100,	13 OCCUP.	0.13 REQUIRED
LAVATORIES	1 PER 100,	13 OCCUP.	0.13 REQUIRED
DRINKING FOUNTAINS	1 PER 1,000	13 OCCUP.	0.02 REQUIRED
SERVICE SINKS	1 REQUIRED		

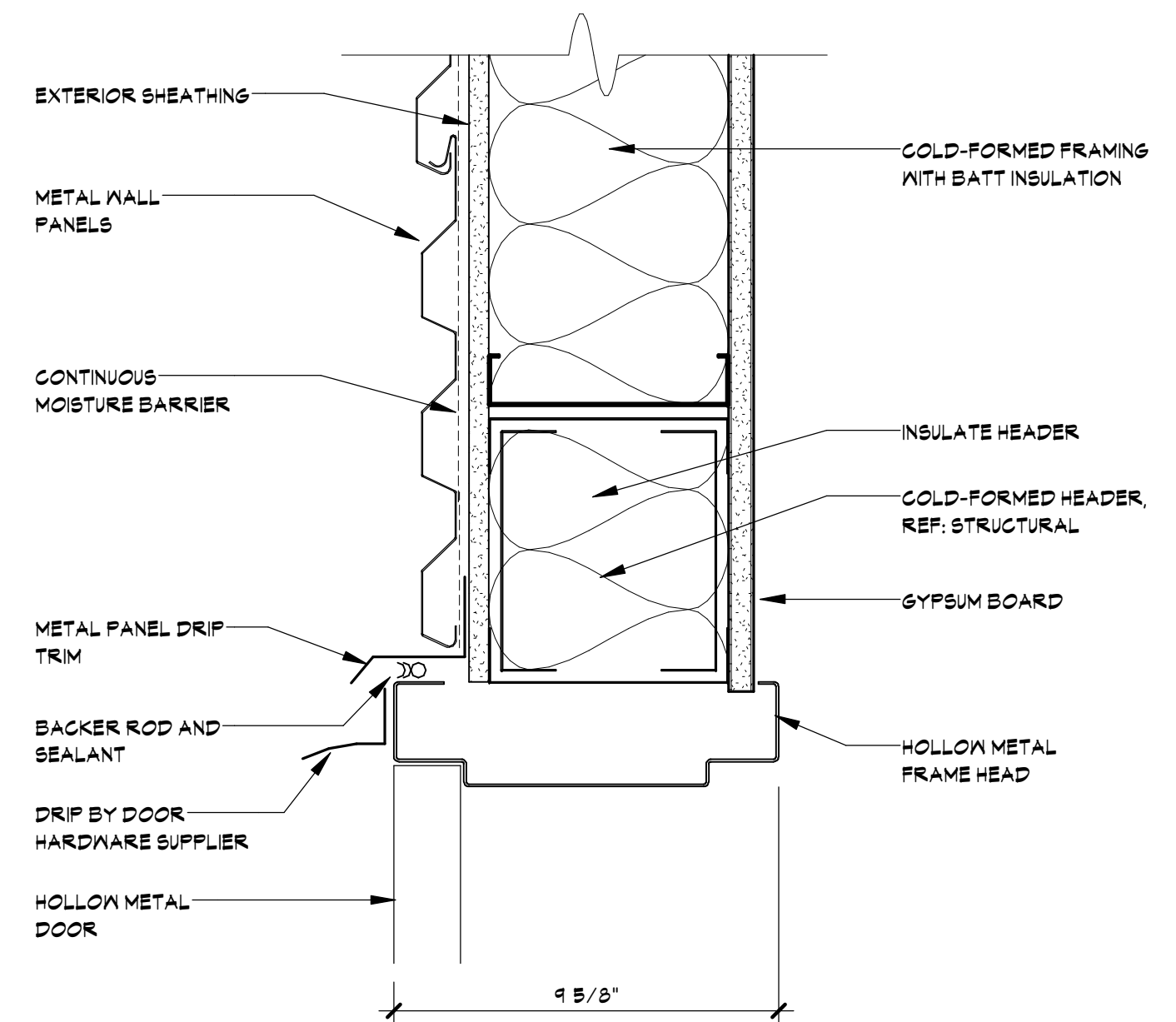
TOTAL REQUIRED			
WATER CLOSETS	1.35 REQUIRED		3 PROVIDED
LAVATORIES	1.35 REQUIRED		3 PROVIDED
SHOWERS	1.5 REQUIRED		2 PROVIDED
DRINKING FOUNTAINS	0.17 REQUIRED		0 PROVIDED (WATER DISPENSER PROVIDED)
SERVICE SINKS	1 REQUIRED		1 PROVIDED



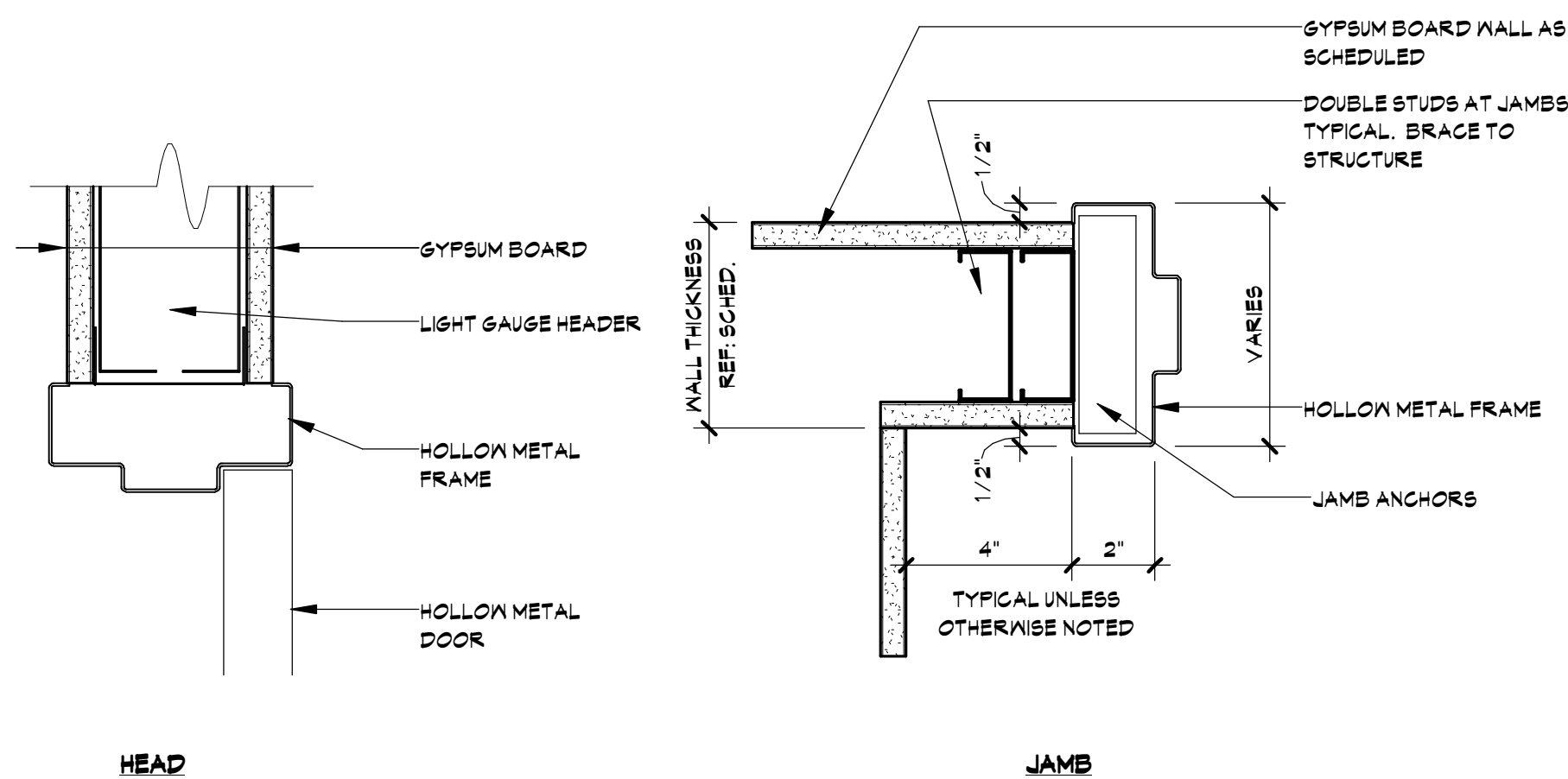
C JAMB @ BRICK
SCALE: 3" = 1'-0"



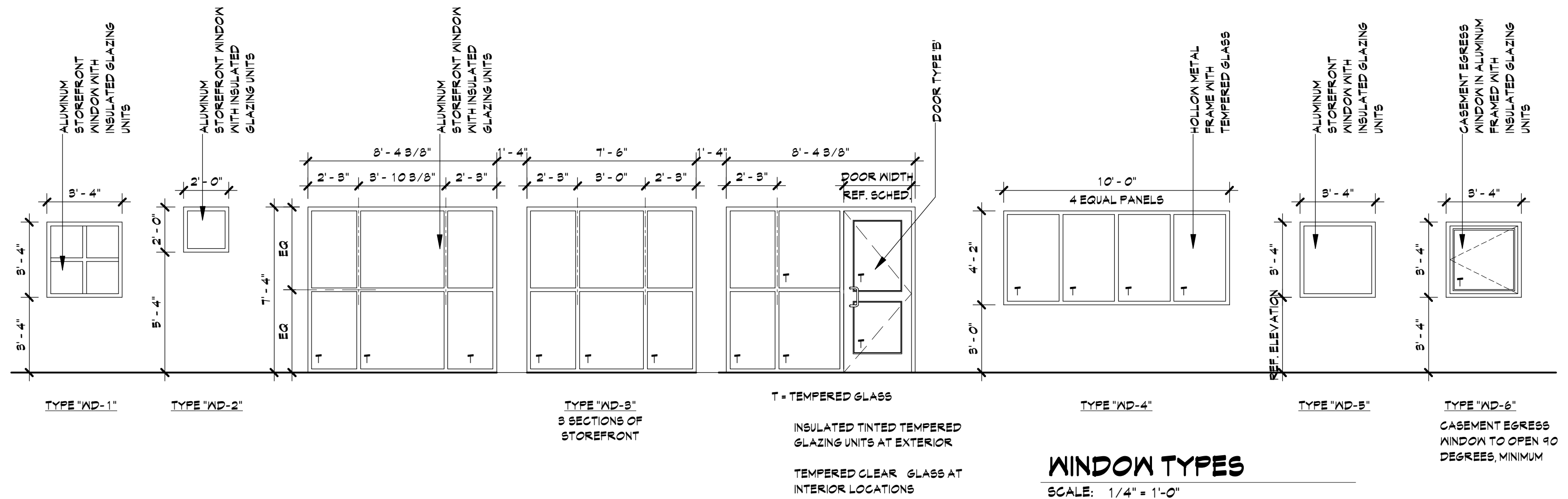
B JAMB @ METAL PANELS
SCALE: 3" = 1'-0"



A HEAD DETAIL @ METAL PANELS
SCALE: 3" = 1'-0"

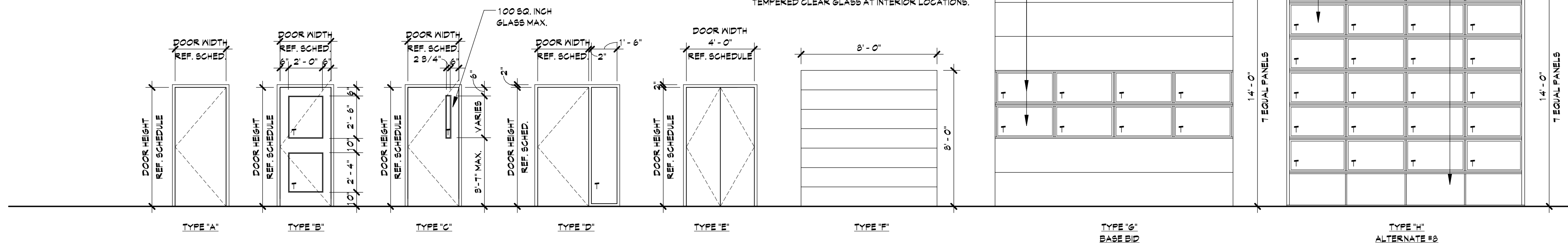


D TYPICAL INTERIOR DOOR JAMB / HEAD DETAIL
SCALE: 3" = 1'-0"



WINDOW TYPES
SCALE: 1/4" = 1'-0"

- NOTES:**
1. REFER TO DOOR SCHEDULE FOR DOOR AND FRAME DIMENSIONS, MATERIALS, AND HARDWARE SETS.
 2. GLASS IN FIRE RATED DOORS TO BE FIRE RATED TO MATCH THE RATING OF THE DOOR.
 3. GLAZING IN EXTERIOR DOORS SHALL BE INSULATED UNITS WITH TINT TO MATCH WINDOW GLAZING.
 4. AT FULL HEIGHT MASONRY WALLS, HOLLOW METAL DOOR FRAME SHALL HAVE A 4" HEAD HEIGHT TO COURSE WITH BRICK. REFERENCE DETAILS.
 5. T = TEMPERED GLASS. INSULATED TINTED TEMPERED GLAZING UNITS AT EXTERIOR LOCATIONS AND TEMPERED CLEAR GLASS AT INTERIOR LOCATIONS.



DOOR TYPES
SCALE: 1/4" = 1'-0"

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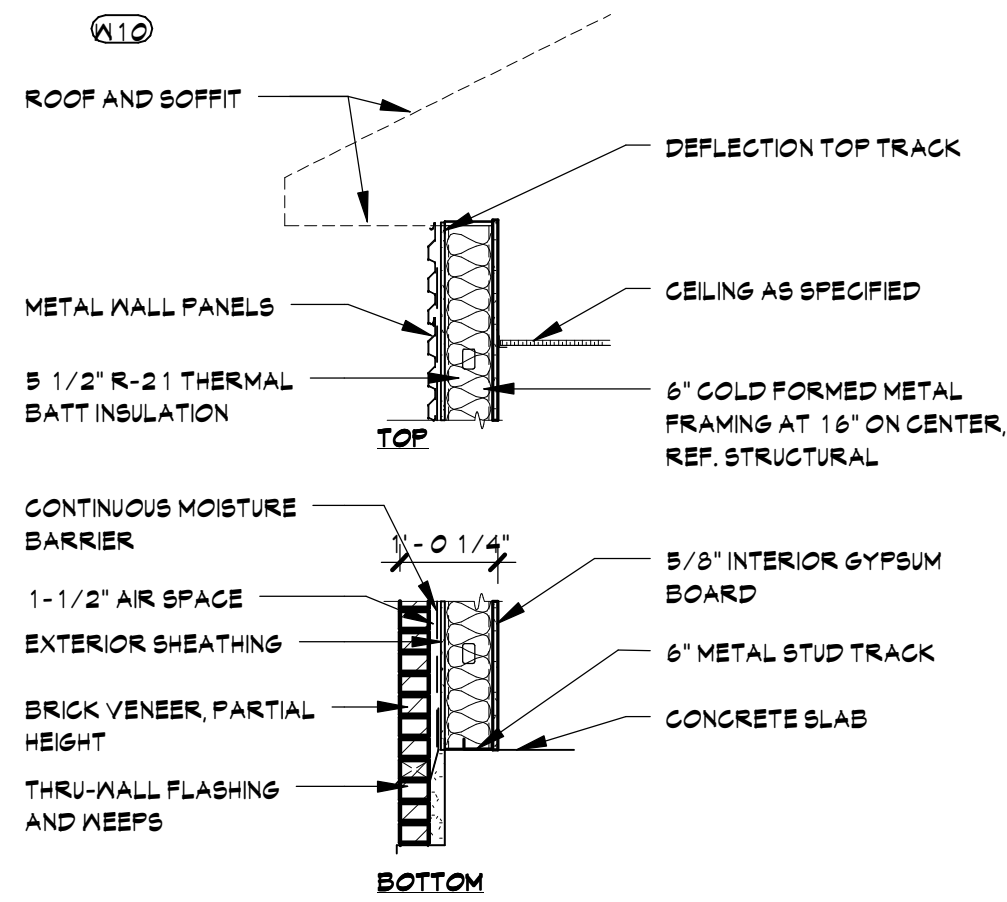
CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB
1401 North Bryan Avenue Shawnee, Oklahoma

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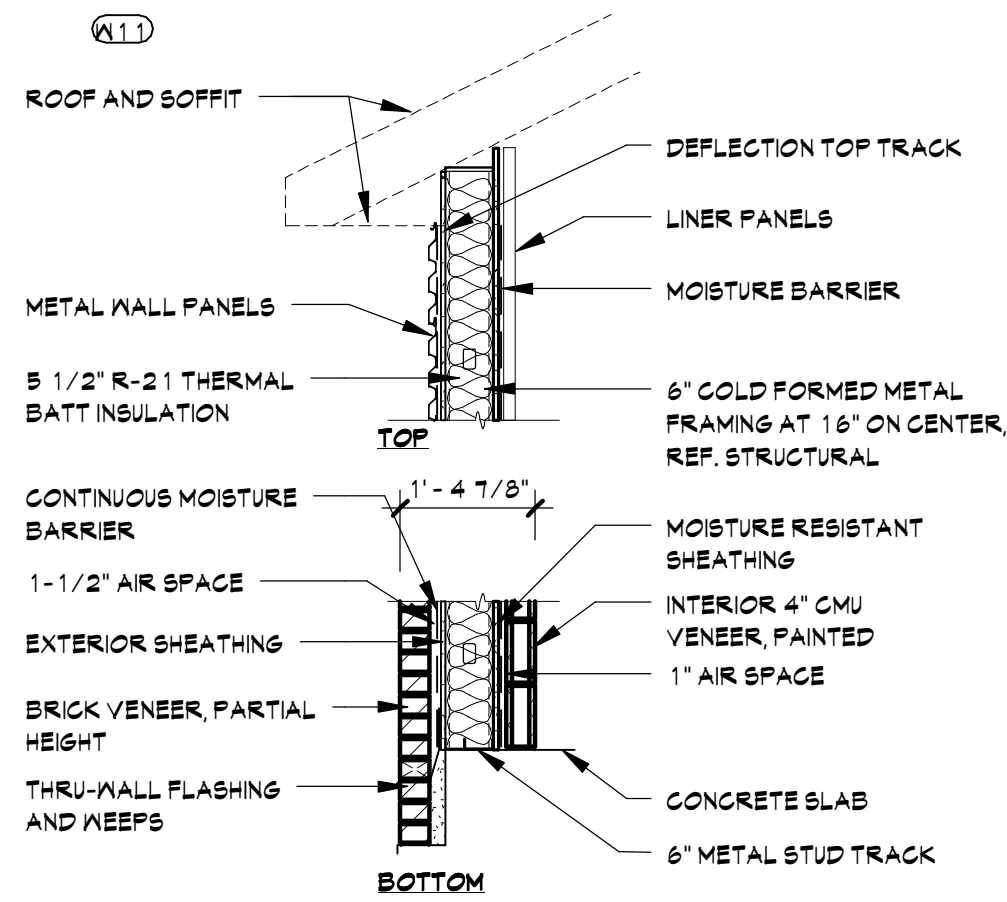
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REVIEWED BY
TO
DRAWN BY
LS
TITLE
DOOR AND WINDOW TYPES

SHEET NUMBER

G03



M10 - EXTERIOR PARTITION WITH EXTERIOR BRICK VENEER AND INTERIOR GYPSUM BOARD:
EXTERIOR BRICK VENEER ON 6" COLD FORMED METAL FRAMING WITH 1/2" EXTERIOR SHEATHING, CONTINUOUS MOISTURE BARRIER, AND INTERIOR 5/8" GYPSUM BOARD. 5-1/2" R-21 BATT INSULATION. PROVIDE CONTINUOUS THRU-WALL FLASHING AND KEEPS AT BASE OF WALL. PROVIDE THRU-WALL FLASHING WITH END DAMS AT WINDOW AND DOOR OPENINGS.



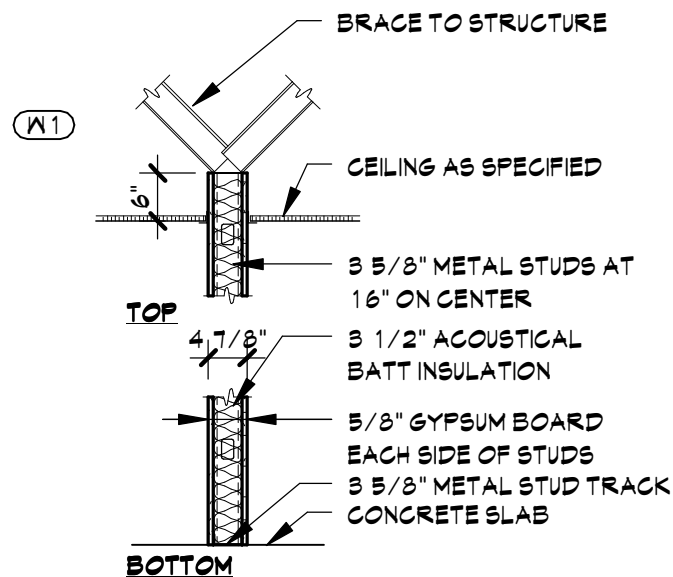
M11 - EXTERIOR PARTITION WITH EXTERIOR BRICK VENEER AND INTERIOR CMU VENEER:
EXTERIOR BRICK VENEER ON 6" COLD FORMED METAL FRAMING WITH 1/2" EXTERIOR SHEATHING EACH SIDE, CONTINUOUS MOISTURE BARRIER, AND INTERIOR 4" CMU VENEER. 5-1/2" R-21 BATT INSULATION. PROVIDE CONTINUOUS THRU-WALL FLASHING AND KEEPS AT BASE OF WALL. PROVIDE THRU-WALL FLASHING WITH END DAMS AT WINDOW AND DOOR OPENINGS. INTERIOR CMU VENEER TO 10'-0" A.F.F. WITH METAL WALL PANELS FROM 10'-0" TO BOTTOM OF ROOF.

EXTERIOR WALLS GENERAL NOTES:

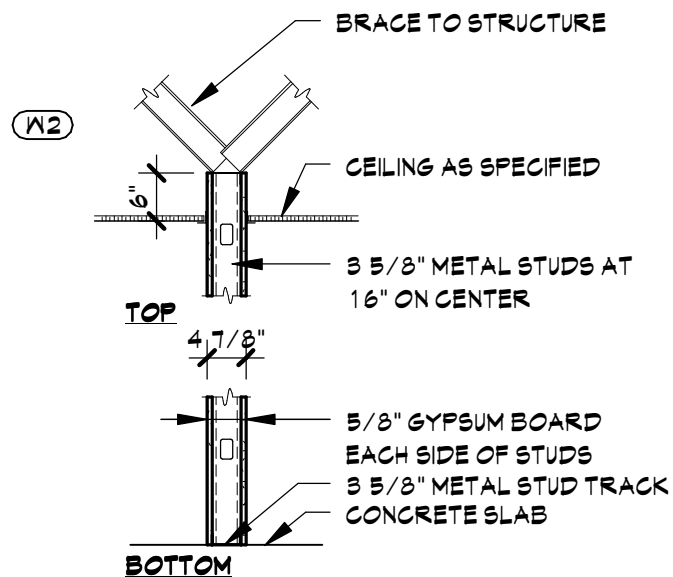
1. ALL EXTERIOR WALL FRAMING TO BE COLD-FORMED METAL FRAMING OR GIRT FRAMING BY METAL BUILDING MANUFACTURER. REFERENCE STRUCTURAL FOR ADDITIONAL REQUIREMENTS.
2. ALL EXTERIOR WALLS TO BE FULLY INSULATED AND HAVE A CONTINUOUS MOISTURE BARRIER.
3. CONSTRUCT WALLS WEATHER TIGHT AND TO DRAIN MOISTURE / CONDENSATION TO THE EXTERIOR.
4. ALL THRU-WALL FLASHING TO BE METAL WITH END DAMS AND KEEPS.
5. PROVIDE CONTINUOUS SEALANT JOINTS AT CONSTRUCTION JOINTS AND BETWEEN DISSIMILAR MATERIALS.

EXTERIOR PARTITION TYPES

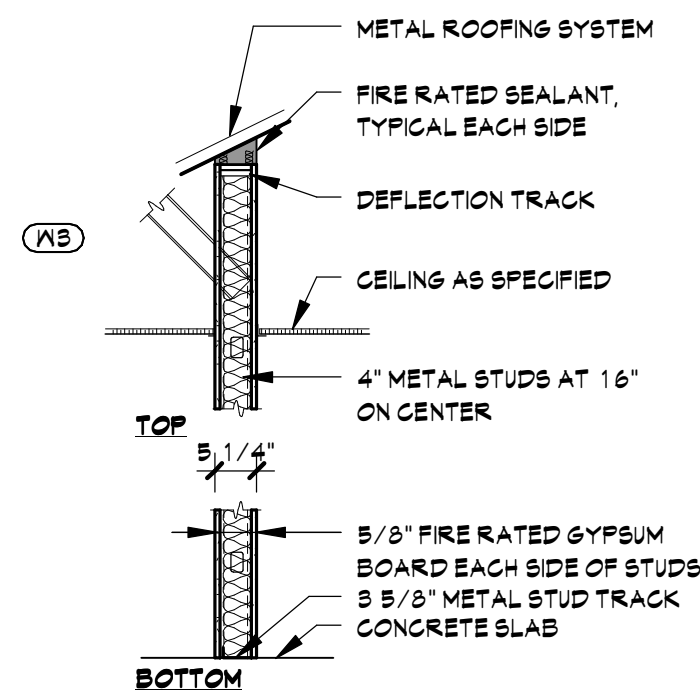
SCALE: 1/2" = 1'-0"



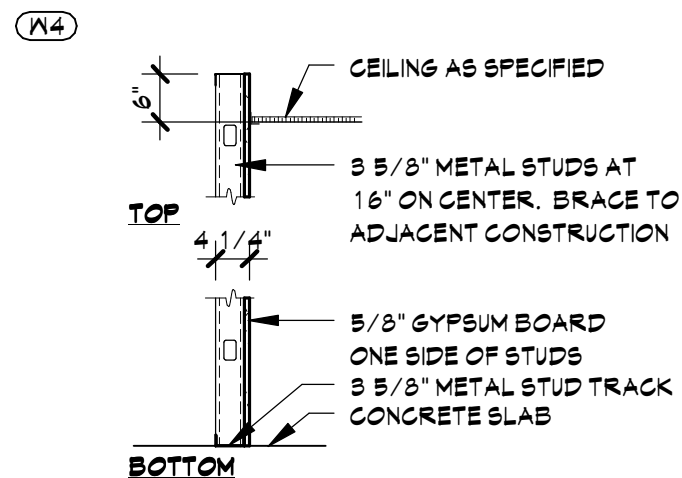
M1 - TYPICAL PARTITION UNLESS OTHERWISE NOTED:
5/8" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. EXTEND TO 6" ABOVE ADJACENT CEILINGS WITH FULL HEIGHT 3" SOUND BATTS, TYPICAL. BRACE TO STRUCTURE ABOVE AS REQ'D.



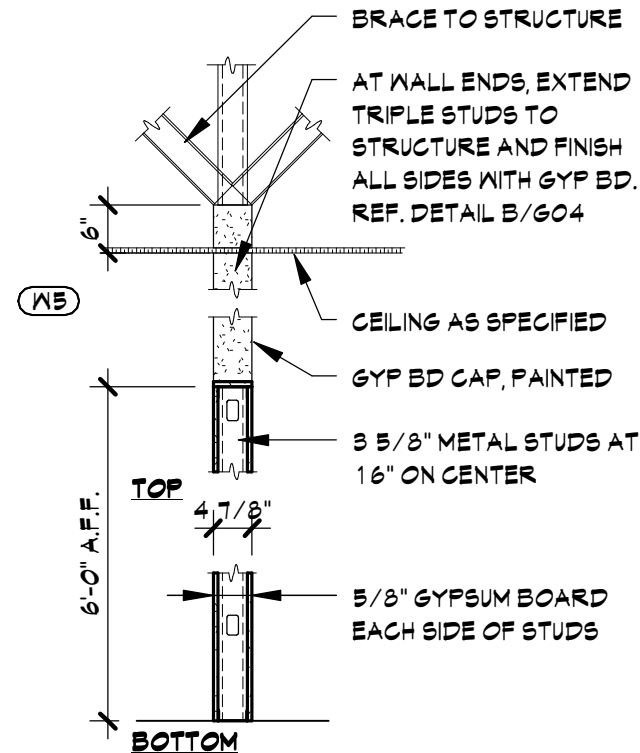
M2 - GYPSUM BOARD PARTITION:
5/8" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. EXTEND TO 6" ABOVE ADJACENT CEILINGS, TYPICAL. BRACE TO STRUCTURE ABOVE AS REQ'D.



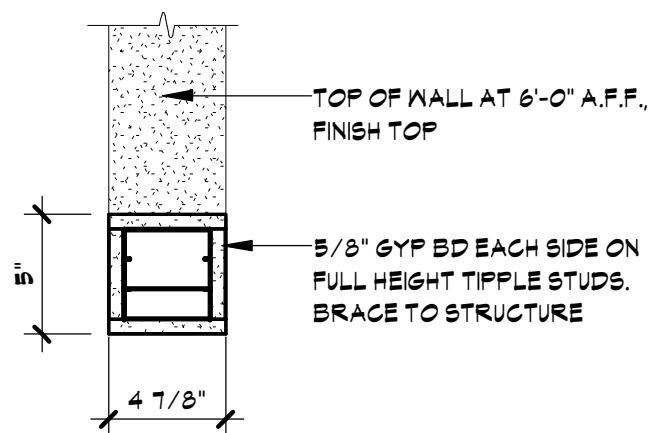
M3 - 1-HOUR FIRE RATED PARTITION:
PER UL DESIGN NO. U425. 5/8" GYPSUM BOARD ON EACH SIDE OF 18 GAUGE, 4" METAL STUDS @ 12" O.C. EXTEND TO BOTTOM OF ROOF. PROVIDE FULL HEIGHT 3" SOUND BATTS, TYPICAL. BRACE TO STRUCTURE ABOVE AS REQ'D. SEAL TOP OF WALL AND ALL PENETRATIONS WITH FIRE SEALANT AS REQUIRED TO MAINTAIN FIRE RATING.



M4 - FURRED PARTITION:
5/8" GYPSUM BOARD ON ONE SIDE OF 3 5/8" METAL STUDS @ 16" O.C. EXTEND TO 6" ABOVE ADJACENT CEILINGS. BRACE TO ADJACENT CONSTRUCTION AS REQUIRED.



M5 - PARTIAL HEIGHT PARTITION:
5/8" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. FINISH TOP OF WALL WITH GYPSUM BOARD. EXTEND STUDS AT END OF WALL AND BRACE TO STRUCTURE.



B PARTIAL HEIGHT WALL DETAIL

SCALE: 1 1/2" = 1'-0"

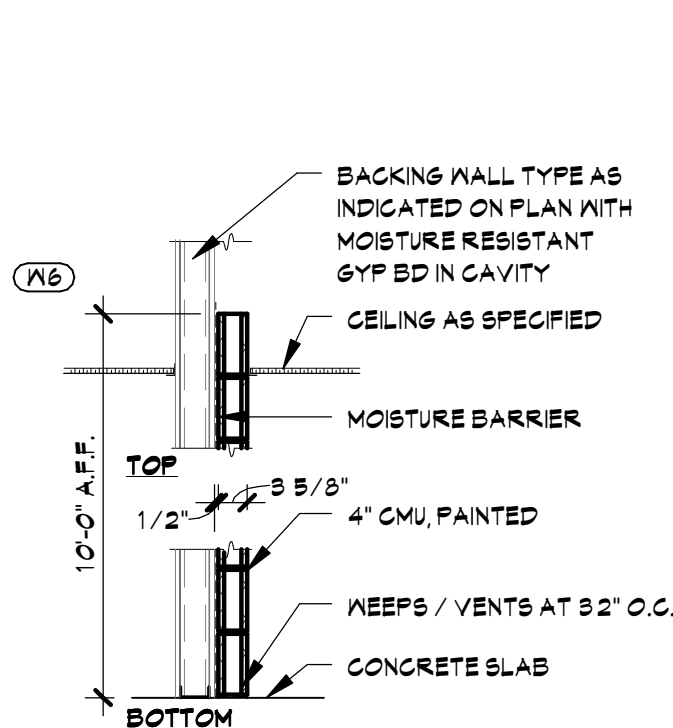
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GENERAL NOTES:

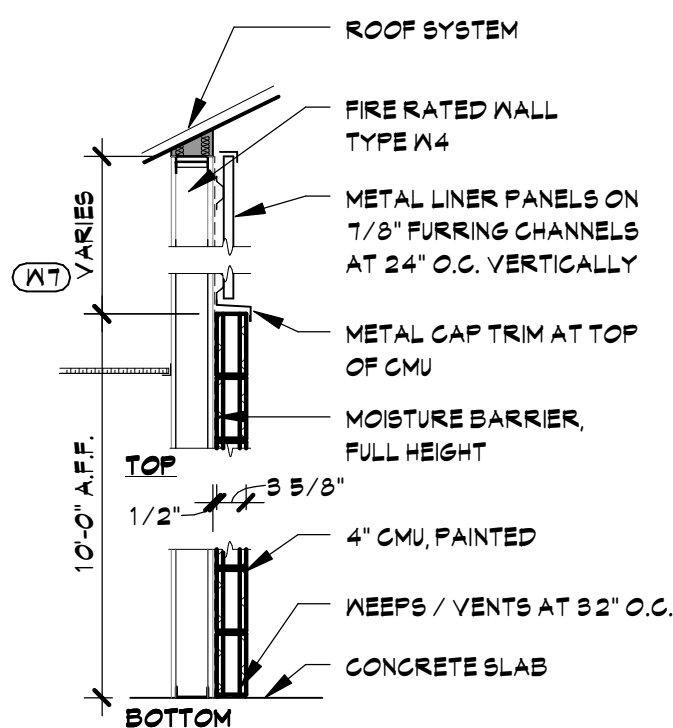
1. PROVIDE DOUBLE STUD FRAMING AT DOOR JAMBS, TYPICAL. EXTEND TO BOTTOM OF DECK ON ALL PARTITION TYPES.
2. FIRE RATED PARTITIONS TO BE CONSTRUCTED IN ACCORDANCE WITH UL DESIGNS AS INDICATED. SEAL ALL PENETRATIONS WITH FIRE RATED SEALANT.
3. REFERENCE FINISH SCHEDULE IN PROJECT MANUAL FOR WALL FINISHES.

INTERIOR PARTITION TYPES

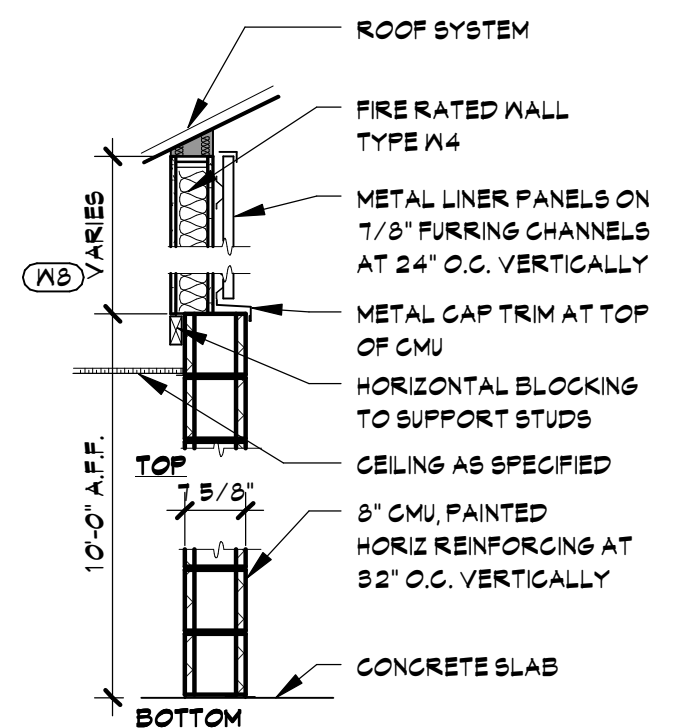
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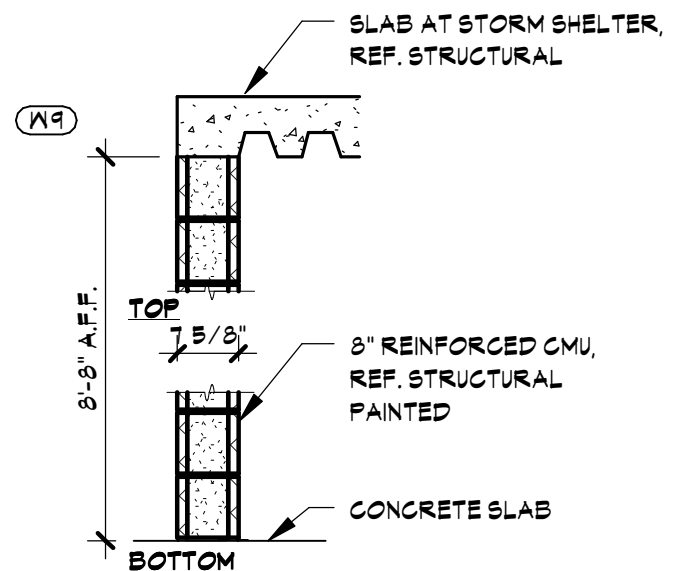
M6 - 4" CMU PARTITION:
4" CMU WITH LADDER TYPE REINFORCING AT 32" ON CENTER VERTICALLY. EXTEND WALL TO 10'-0" ABOVE FINISH FLOOR. SECURE CMU TO BACKING WALL WITH MASONRY TIES AT 32" ON CENTER EACH WAY. APPLY MOISTURE RESISTANT GYPSUM BOARD AND MOISTURE BARRIER ON CAVITY SIDE OF METAL STUDS. PROVIDE METAL LINER PANELS ON METAL STUD WALL (TYPE M4) FROM 10'-0" A.F.F. TO THE BOTTOM OF THE ROOF PER UL DESIGN NO. V421. REF. DETAIL F/A22.



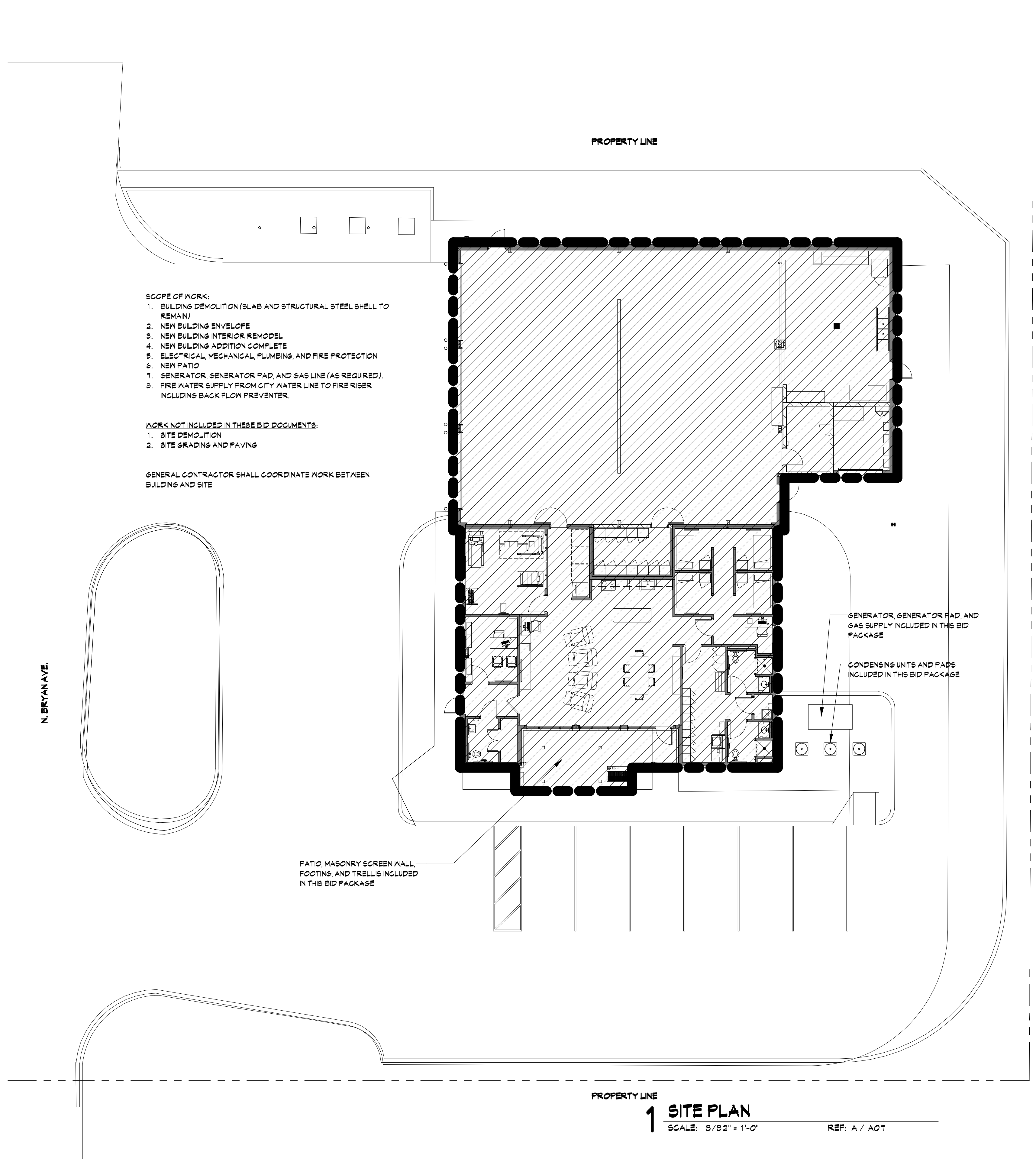
M7 - 4" CMU PARTITION:
4" CMU WITH LADDER TYPE REINFORCING AT 32" ON CENTER VERTICALLY. EXTEND WALL TO 10'-0" ABOVE FINISH FLOOR. SECURE CMU TO BACKING WALL WITH MASONRY TIES AT 32" ON CENTER EACH WAY. APPLY MOISTURE RESISTANT GYPSUM BOARD AND MOISTURE BARRIER ON CAVITY SIDE OF METAL STUDS. PROVIDE METAL LINER PANELS ON METAL STUD WALL (TYPE M4) FROM 10'-0" A.F.F. TO THE BOTTOM OF THE ROOF PER UL DESIGN NO. V421. REF. DETAIL F/A22.



M8 - 8" CMU PARTITION WITH METAL PANELS ABOVE:
8" CMU WALL WITH LADDER TYPE HORIZONTAL REINFORCING AT 32" ON CENTER VERTICAL. CMU WALL TO EXTEND 10'-0" ABOVE FINISH FLOOR. PROVIDE METAL LINER PANELS ON METAL STUD WALL (TYPE M4) FROM 10'-0" A.F.F. TO THE BOTTOM OF THE ROOF. REF DETAIL F/A22. PROVIDE 3" BATT INSULATION IN STUD WALL, TYPICAL.



M9 - 8" CMU PARTITION:
8" REINFORCED CMU. REFERENCE STRUCTURAL FOR REQUIREMENTS.



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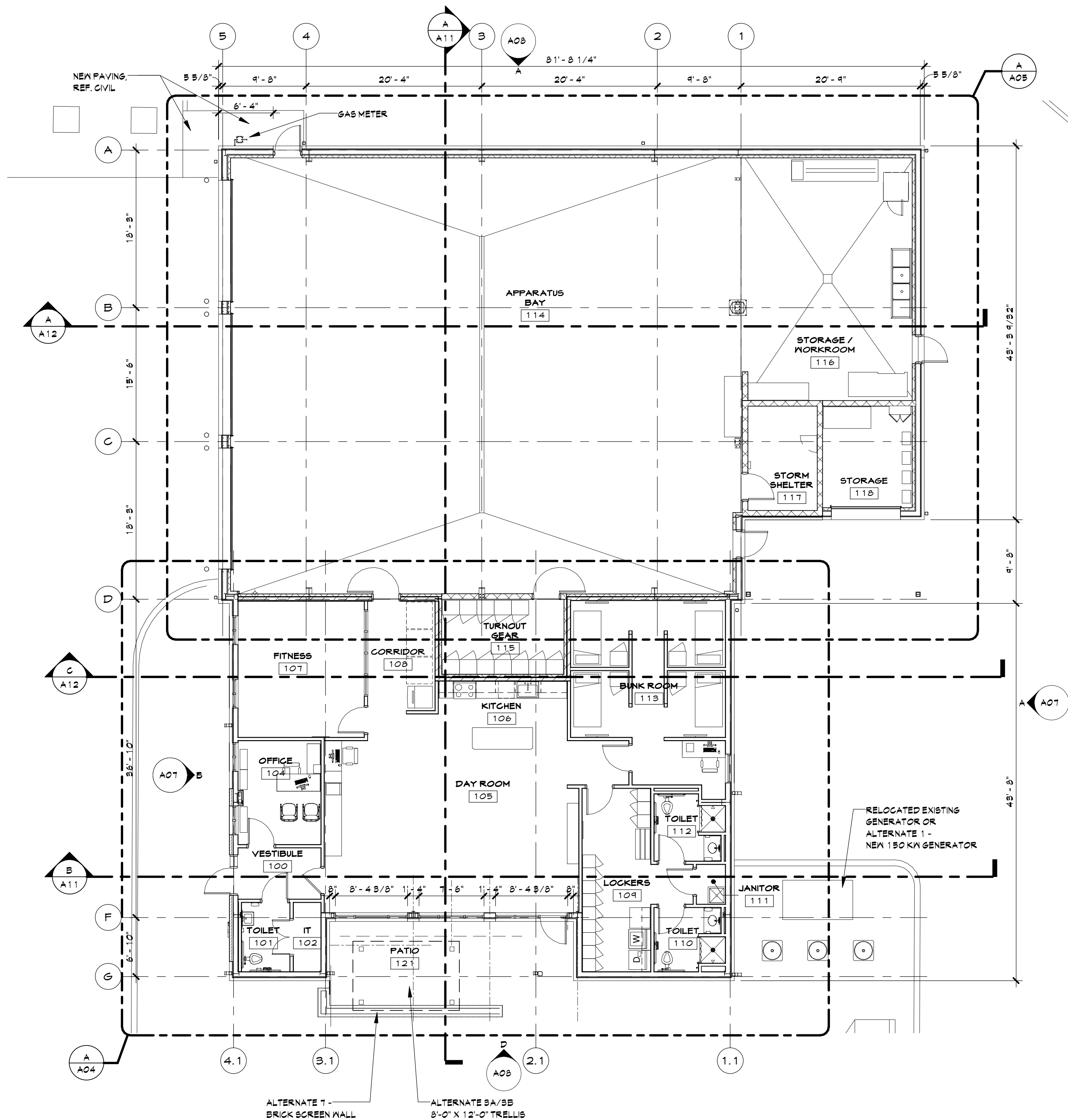
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ISSUE DATE

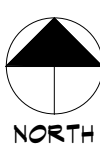
PROJECT NUMBER
RE/REASON
DRAWN BY
1114-01
TO
LS

TITLE
SITE PLAN

SHEET NUMBER
A01

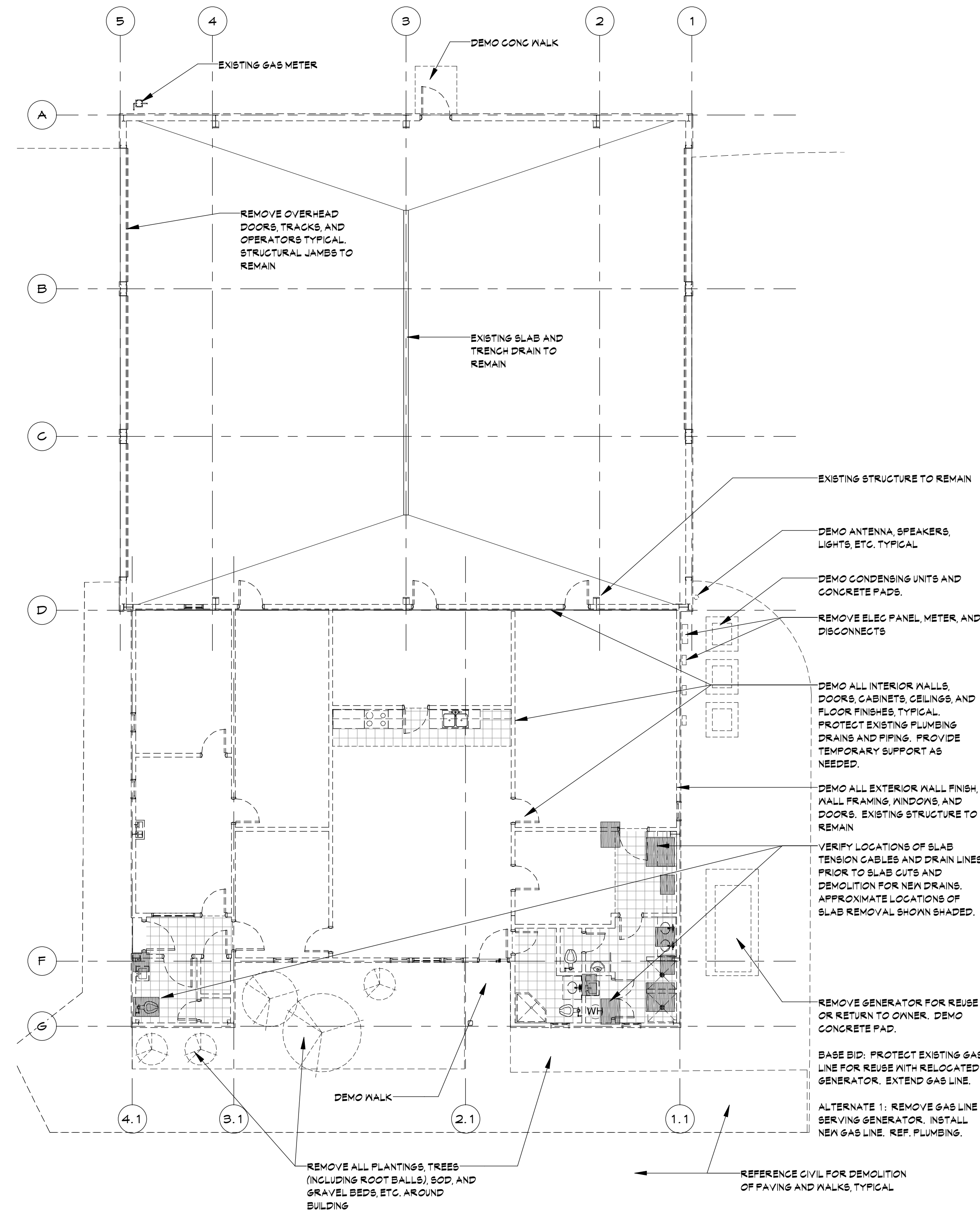


B FIRST FLOOR
SCALE: 1/8" = 1'-0"

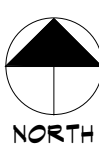


DEMOLITION NOTES

- THE BUILDING WILL BE TAKEN DOWN TO THE EXISTING STEEL STRUCTURE, SLAB, AND ROOF FRAMING. THE ROOFING SYSTEM, ALL EXTERIOR AND INTERIOR WALLS WILL BE REMOVED. REFERENCE STRUCTURAL DRAWINGS FOR STRUCTURAL BRACING REQUIREMENTS.
- COORDINATE EXTERIOR DEMOLITION WITH SITE DEMOLITION AND NEW SITE WORK.
- EXISTING PLUMBING DRAINS TO REMAIN FOR REUSE UNLESS OTHERWISE NOTED. PROTECT FROM DAMAGE DURING DEMOLITION AND PROVIDE TEMPORARY SUPPORTS AS NEEDED. PROTECT TRENCH DRAINS AND FLOOR DRAINS FROM DEBRIS THROUGHOUT THE PROJECT. CAP DRAIN PIPES.
- OWNER HAS FIRST RIGHT OF REFUSAL OF ALL MATERIALS, FIXTURES AND EQUIPMENT. ANYTHING THAT THE OWNER DOES NOT CLAIM SHALL BE LEGALLY DISPOSED OF OFF-SITE. COORDINATE LIST OF ITEMS TO BE SALVAGED WITH OWNER PRIOR TO START OF DEMOLITION.
- WHERE EQUIPMENT IS NOTED TO BE SALVAGED AND REUSED, CONTRACTOR SHALL STORE IN A SECURE, ENCLOSED ENVIRONMENT UNTIL BUILDING IS COMPLETE.
- THE EXISTING SLAB IS POST-TENSIONED. PRIOR TO SAW CUTTING THE SLAB FOR NEW WORK, VERIFY THE LOCATIONS OF EXISTING TENSION CABLES USING GROUND PENETRATING RADAR OR X-RAY. REFERENCE STRUCTURAL FOR REQUIREMENTS. IN LOCATIONS WHERE SLAB WILL BE EXPOSED (REF ROOM FINISH SCHEDULE), MARK SLAB USING NON-PERMANENT, NON-STAINING MARKS.
- THE EXISTING SLAB WILL HAVE AN EXPOSED FINAL FINISH IN MOST ROOMS. REFERENCE FINISH SCHEDULE FOR NEW FINISHES. REMOVE EXISTING CARPET, CERAMIC TILE, VINYL TILE, AND TRANSITION STRIPS THROUGHOUT THE BUILDING. PROTECT FLOOR FROM DAMAGE AND STAINING THROUGHOUT CONSTRUCTION.



A DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"



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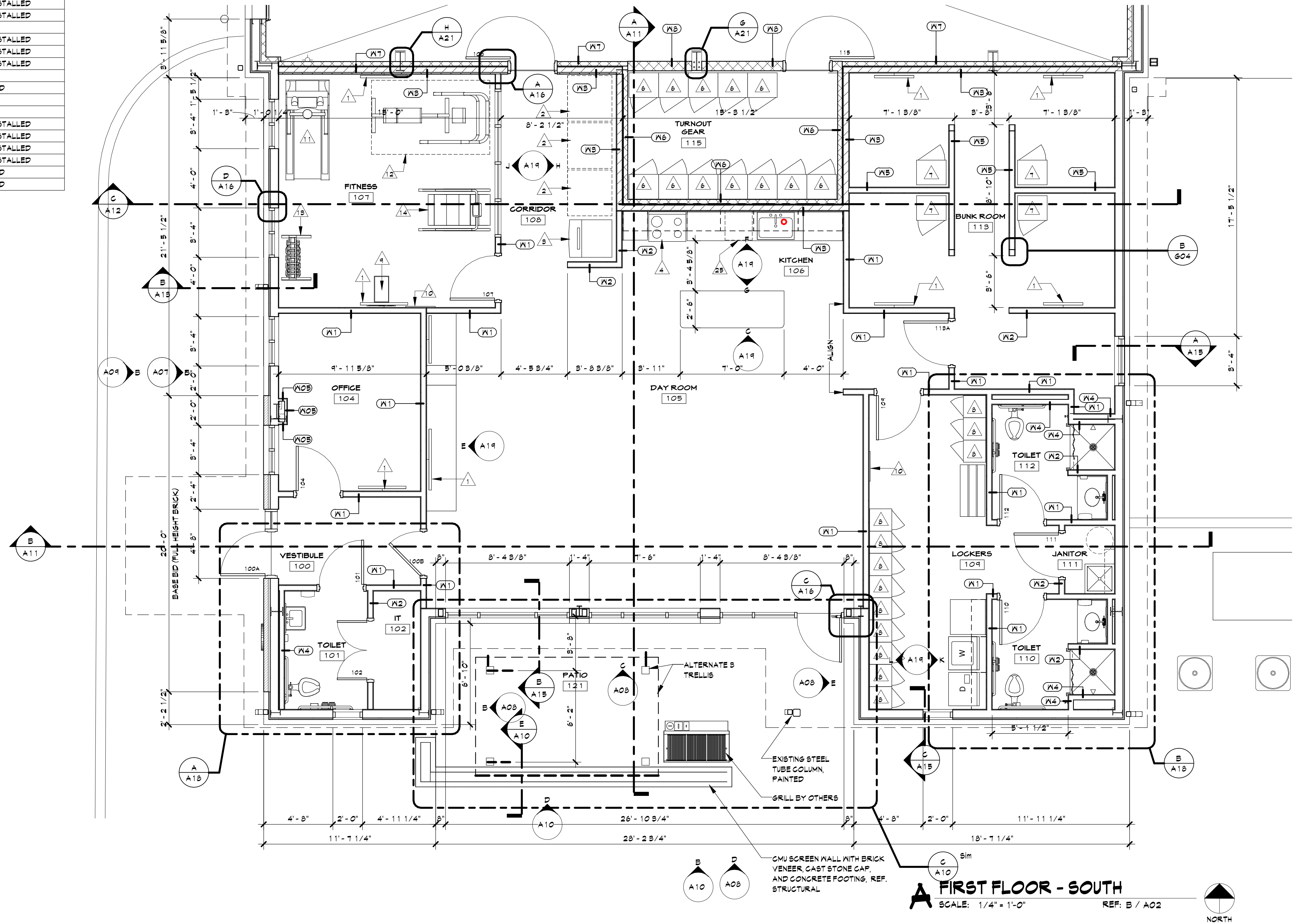
TITLE
**DEMOLITION PLAN
AND FLOOR PLAN**

SHEET NUMBER

A02



SPECIALTIES LIST		
MARK	DESCRIPTION	COMMENTS
1	FLAT SCREEN TV/MONITOR	OWNER FURNISHED / OWNER INSTALLED
2	REFRIGERATOR	OWNER FURNISHED / OWNER INSTALLED
3	ICE MAKER	OWNER FURNISHED / CONTRACTOR INSTALLED
4	RANGE	OWNER FURNISHED / CONTRACTOR INSTALLED
6	WALL MOUNTED GEAR LOCKER	OWNER FURNISHED / CONTRACTOR INSTALLED
7	LINEN LOCKER	OWNER FURNISHED / OWNER INSTALLED
8	LOCKERS	OWNER FURNISHED / CONTRACTOR INSTALLED
9	SCALE	OWNER FURNISHED / OWNER INSTALLED
10	WALL MOUNTED MIRROR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
11	TREADMILL	OWNER FURNISHED / OWNER INSTALLED
12	LEG PRESS	OWNER FURNISHED / OWNER INSTALLED
13	WEIGHT RACK	OWNER FURNISHED / OWNER INSTALLED
14	STAIRMASTER	OWNER FURNISHED / OWNER INSTALLED
15	18" VERTICAL GRAB BAR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
16	36" GRAB BAR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
17	42" GRAB BAR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
18	DOUBLE ROLL TOILET TISSUE DISP	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
19	BENCH	OWNER FURNISHED / OWNER INSTALLED
20	MIRROR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
21	SOAP DISPENSER	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
22	PAPER TOWEL DISPENSER	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
24	MASHER - EXTRACTOR	OWNER FURNISHED / OWNER INSTALLED
25	DISHWASHER	OWNER FURNISHED / CONTRACTOR INSTALLED
26	TURN OUT GEAR DRYING RACK	OWNER FURNISHED / OWNER INSTALLED
27	SCBA REFILL STATION	OWNER FURNISHED / OWNER INSTALLED
28	COAT HOOK	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
29	FEMININE PRODUCT DISPOSAL	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
30	UTILITY SHELF WITH MOP HOOKS	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
31	SHOWER ROD AND CURTAIN	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
32	CLOTHES WASHER	OWNER FURNISHED / CONTRACTOR INSTALLED
33	CLOTHES DRYER	OWNER FURNISHED / CONTRACTOR INSTALLED



A FIRST FLOOR - SOUTH
SCALE: 1/4" = 1'-0"

REF: B / A02



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TITLE
**ENLARGED FLOOR
PLAN (SOUTH)**

SHEET NUMBER
A04

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FIRE STATION NO. 2 REHAB
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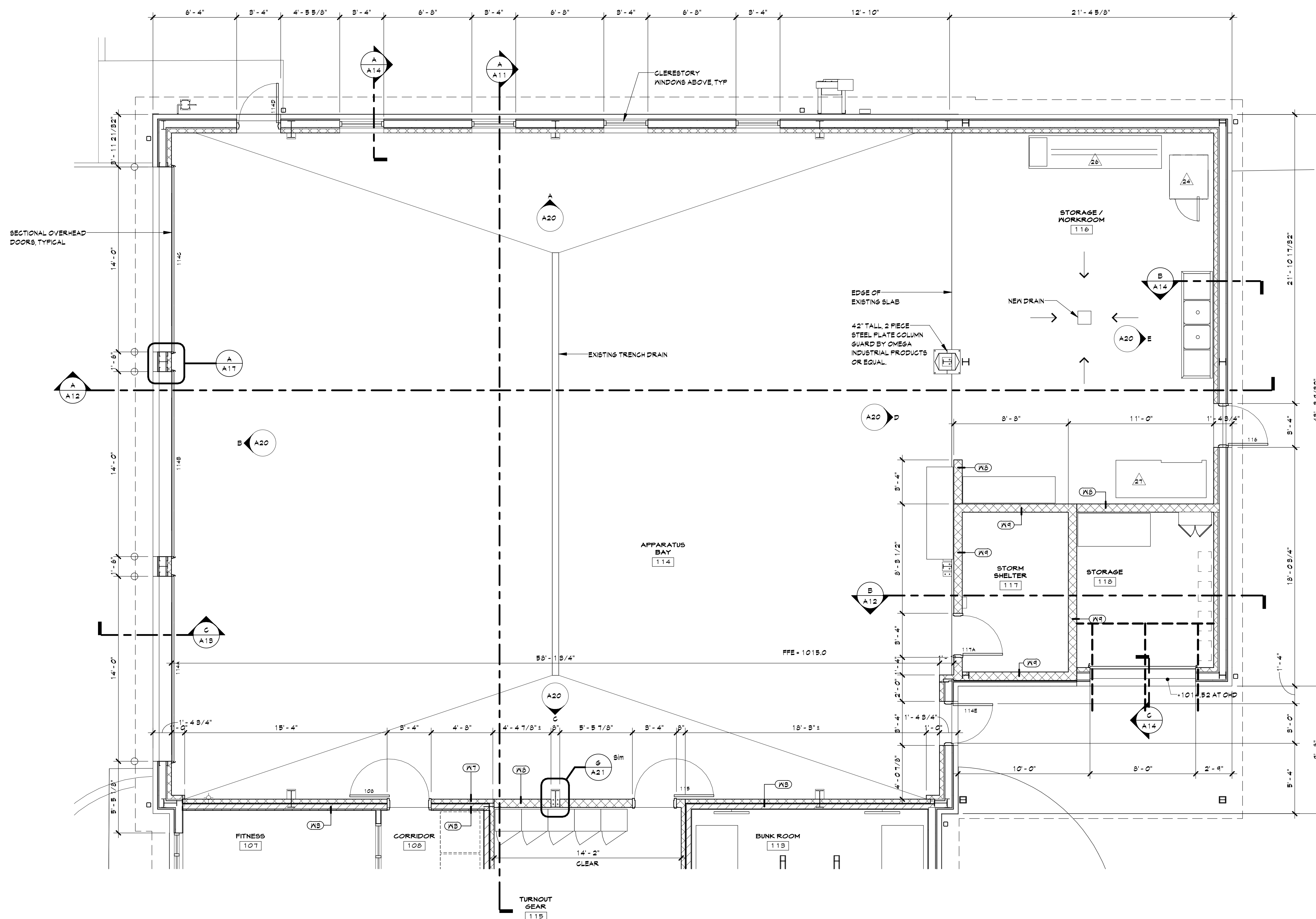
ISSUE DATE
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ISSUE DATE

PROJECT NUMBER
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TITLE
**ENLARGED FLOOR
PLAN (NORTH)**

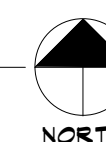
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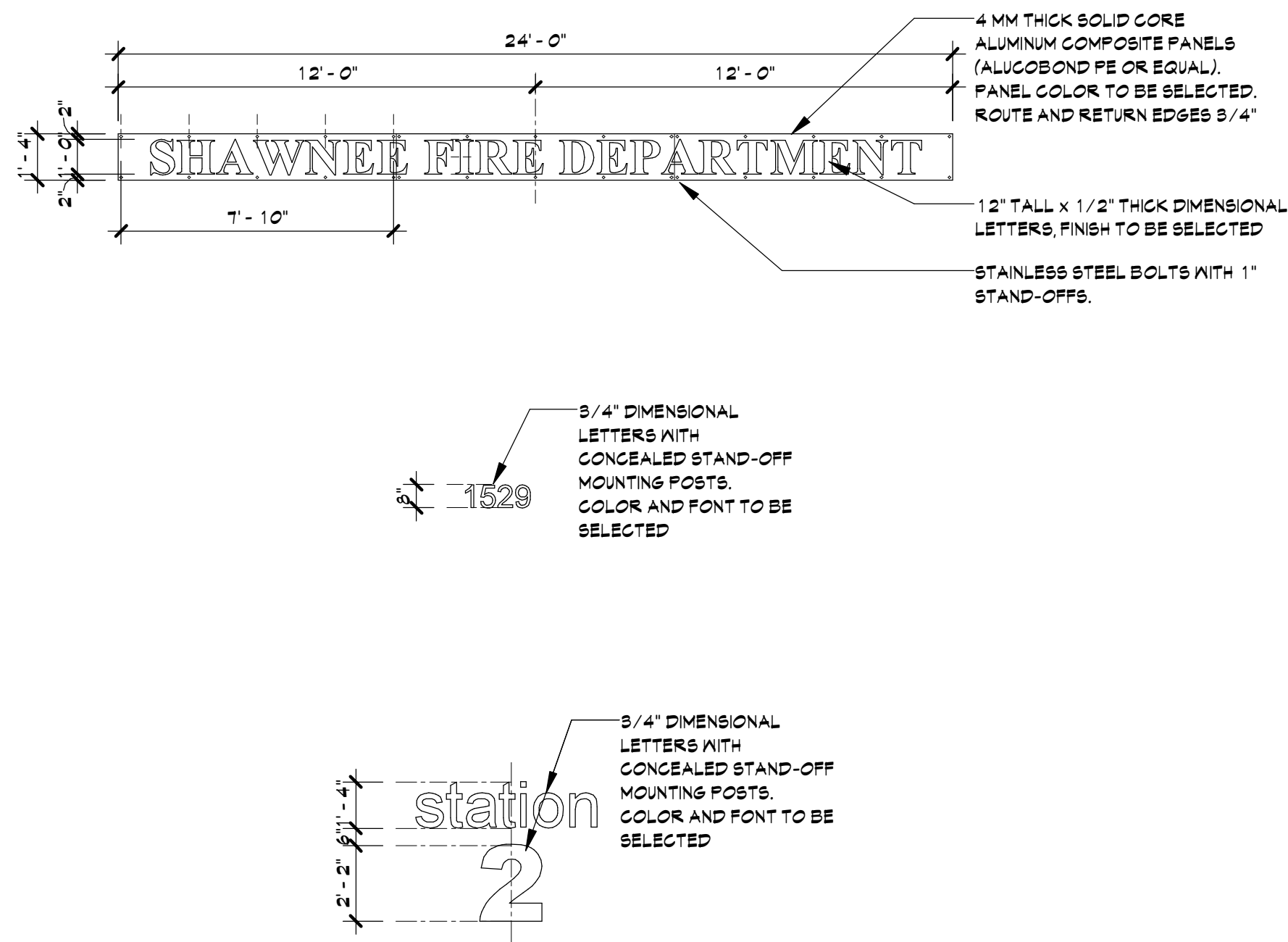


A FIRST FLOOR - NORTH
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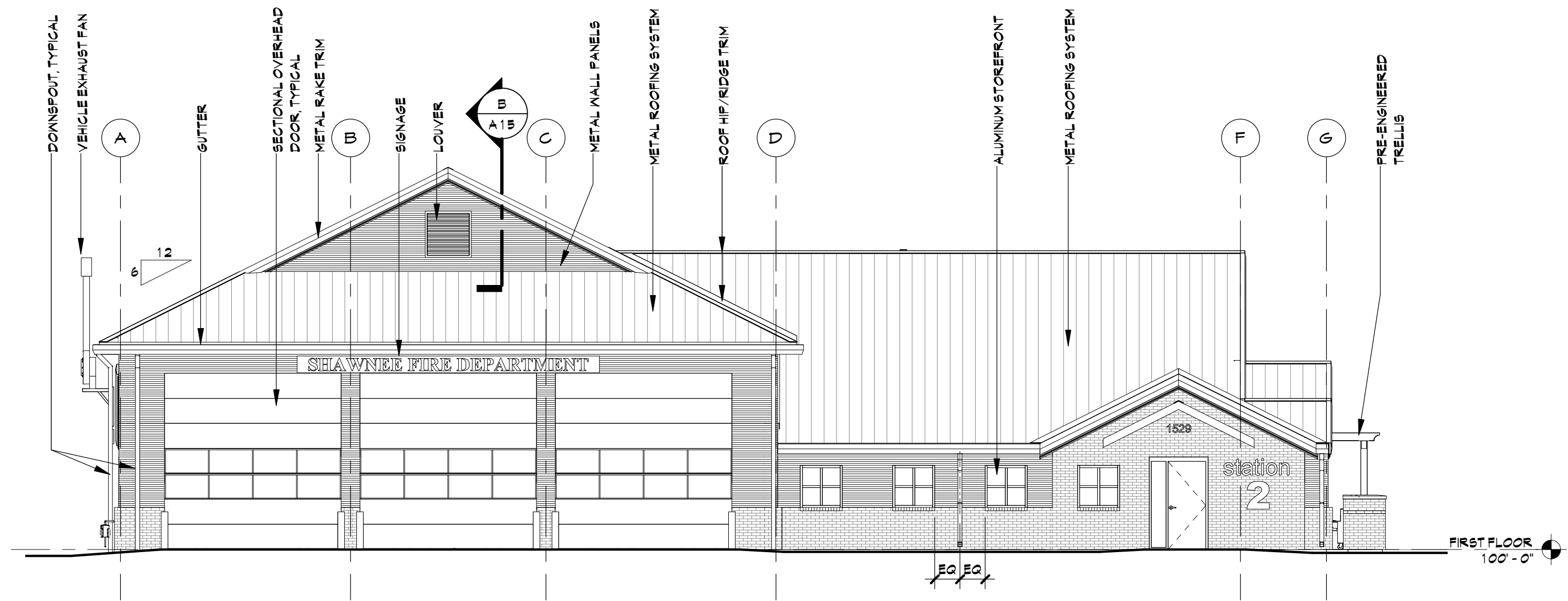
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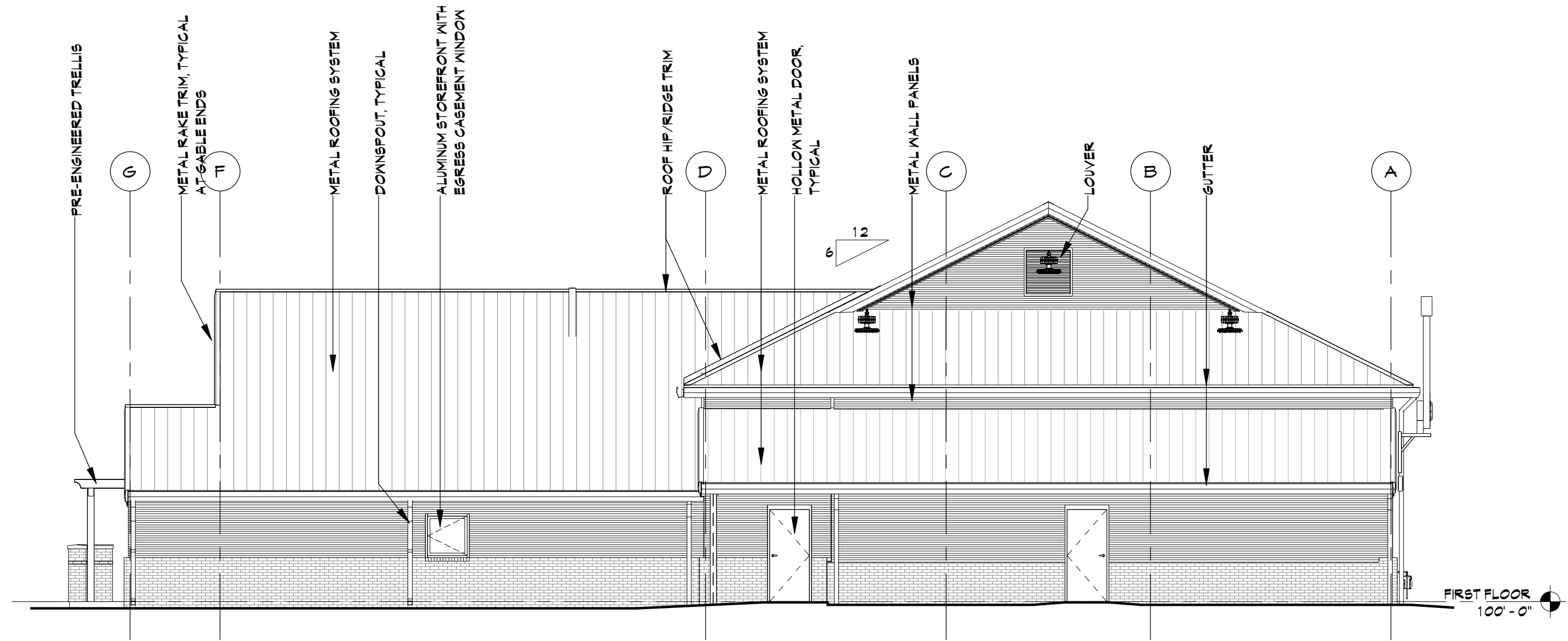




C SIGNAGE DETAILS
SCALE: 1/4" = 1'-0"



B WEST ELEVATION - BASE BID
SCALE: 1/8" = 1'-0" REF: B / A02



A EAST ELEVATION - BASE BID
SCALE: 1/8" = 1'-0" REF: B / A02

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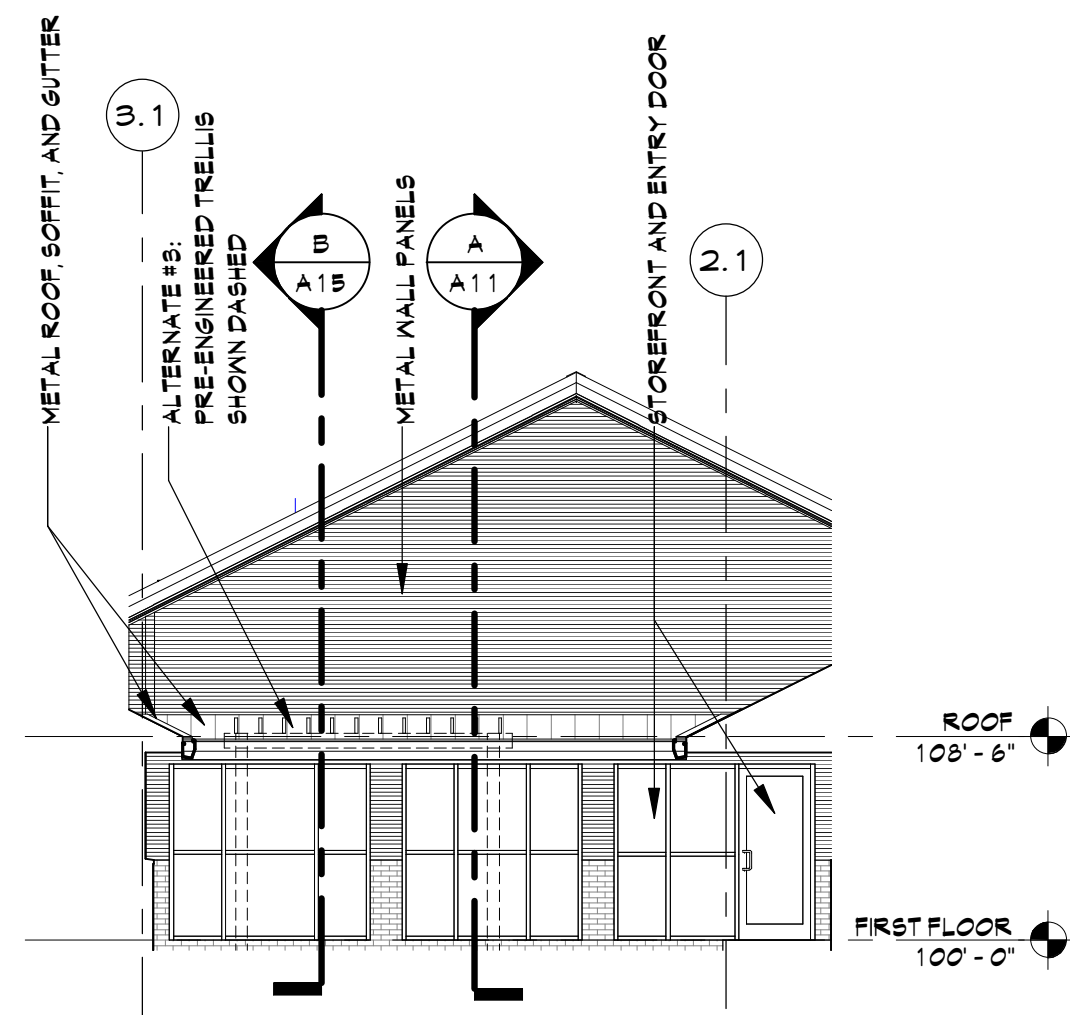
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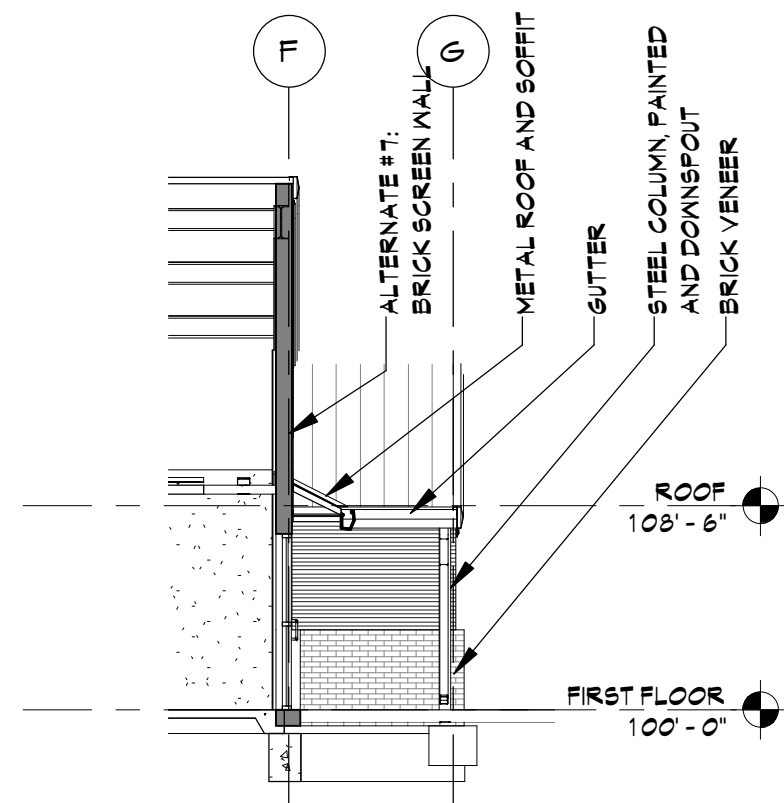
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**EXTERIOR
ELEVATIONS -
BASE BID**

SHEET NUMBER

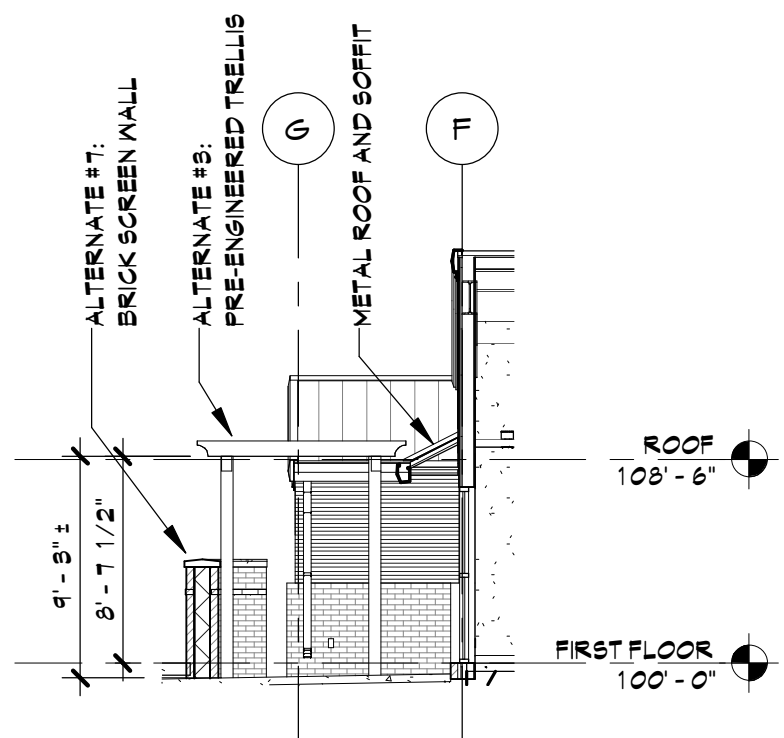
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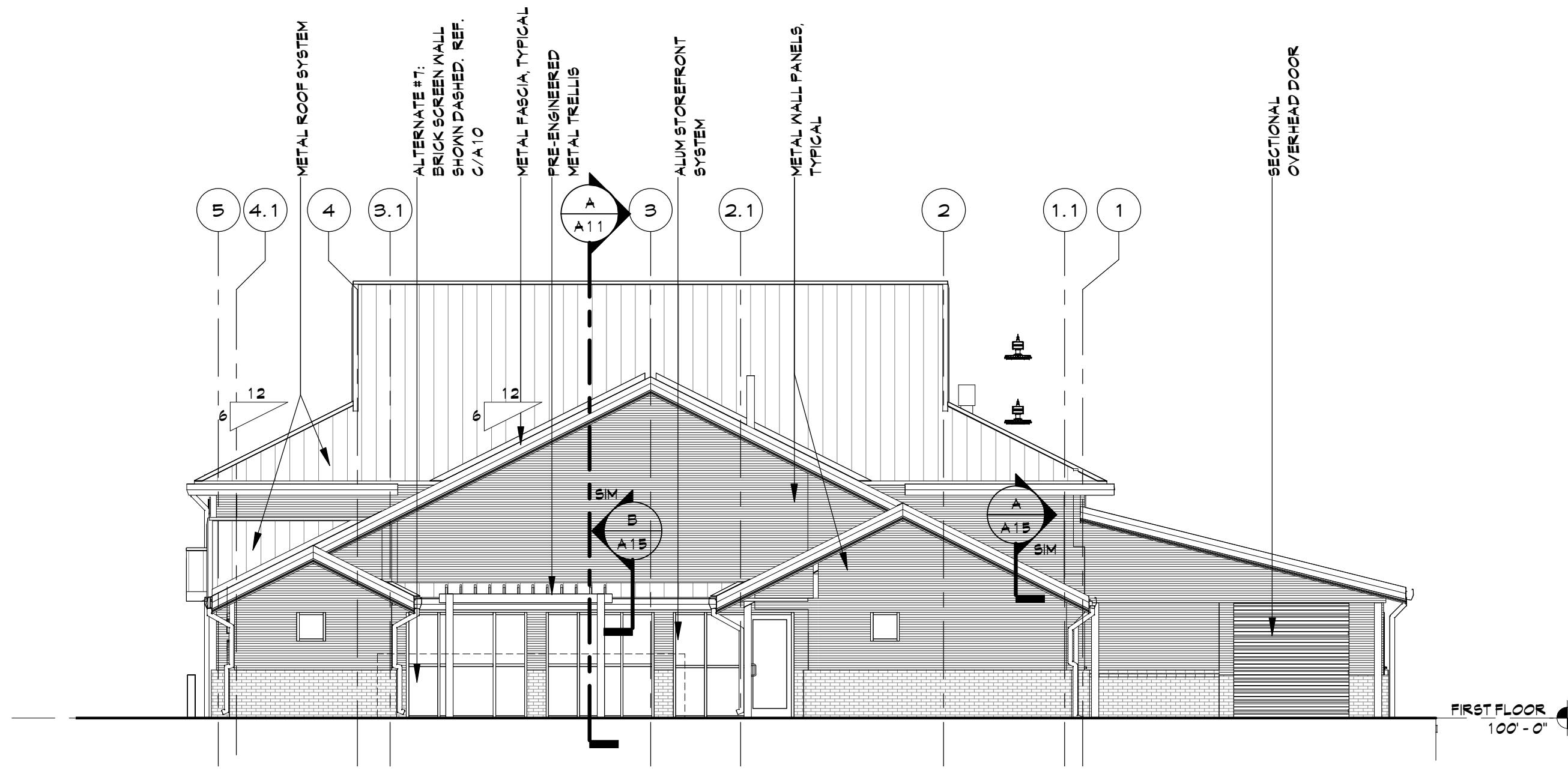
C PATIO - SOUTH ELEVATION
SCALE: 1/8" = 1'-0" REF: A / A04



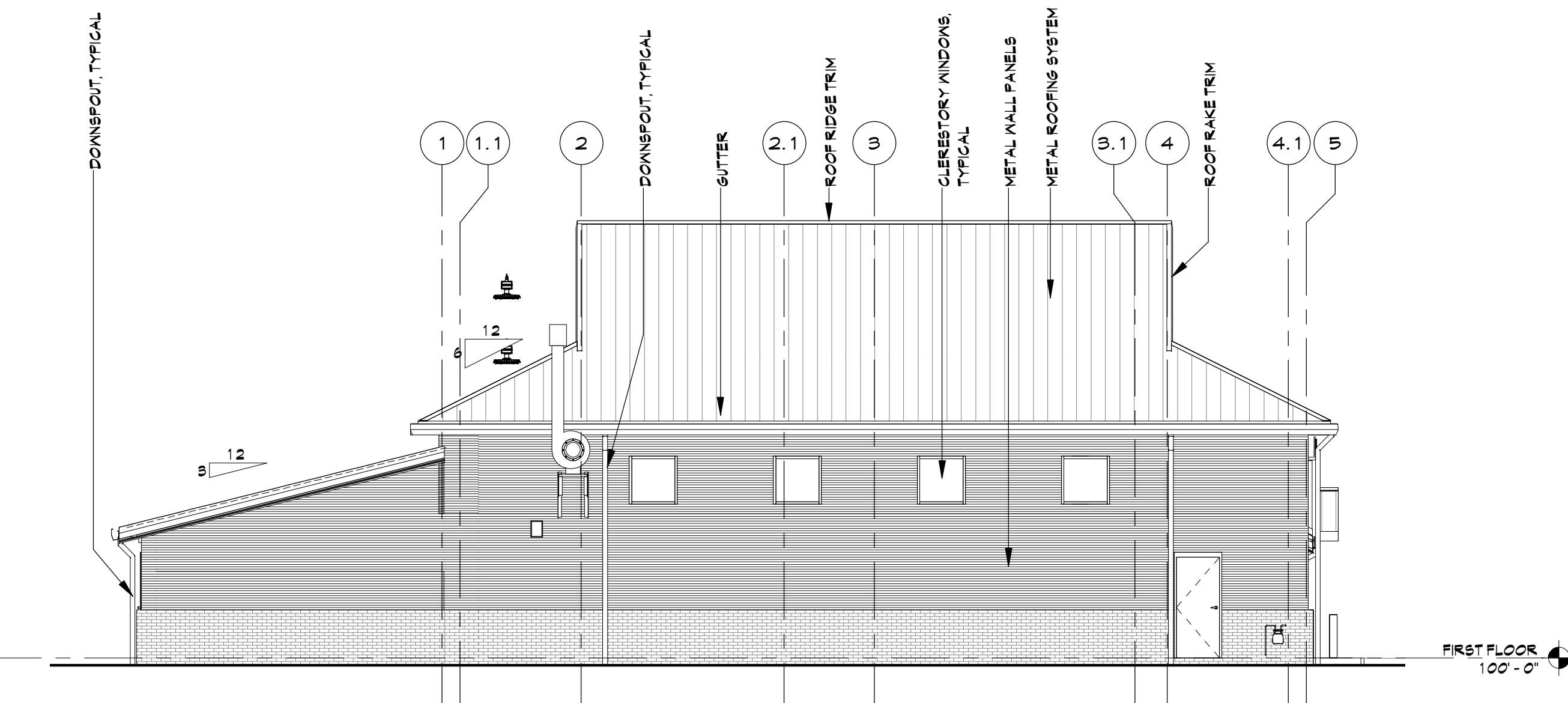
M PATIO - WEST ELEVATION
SCALE: 1/8" = 1'-0" REF: A / A04



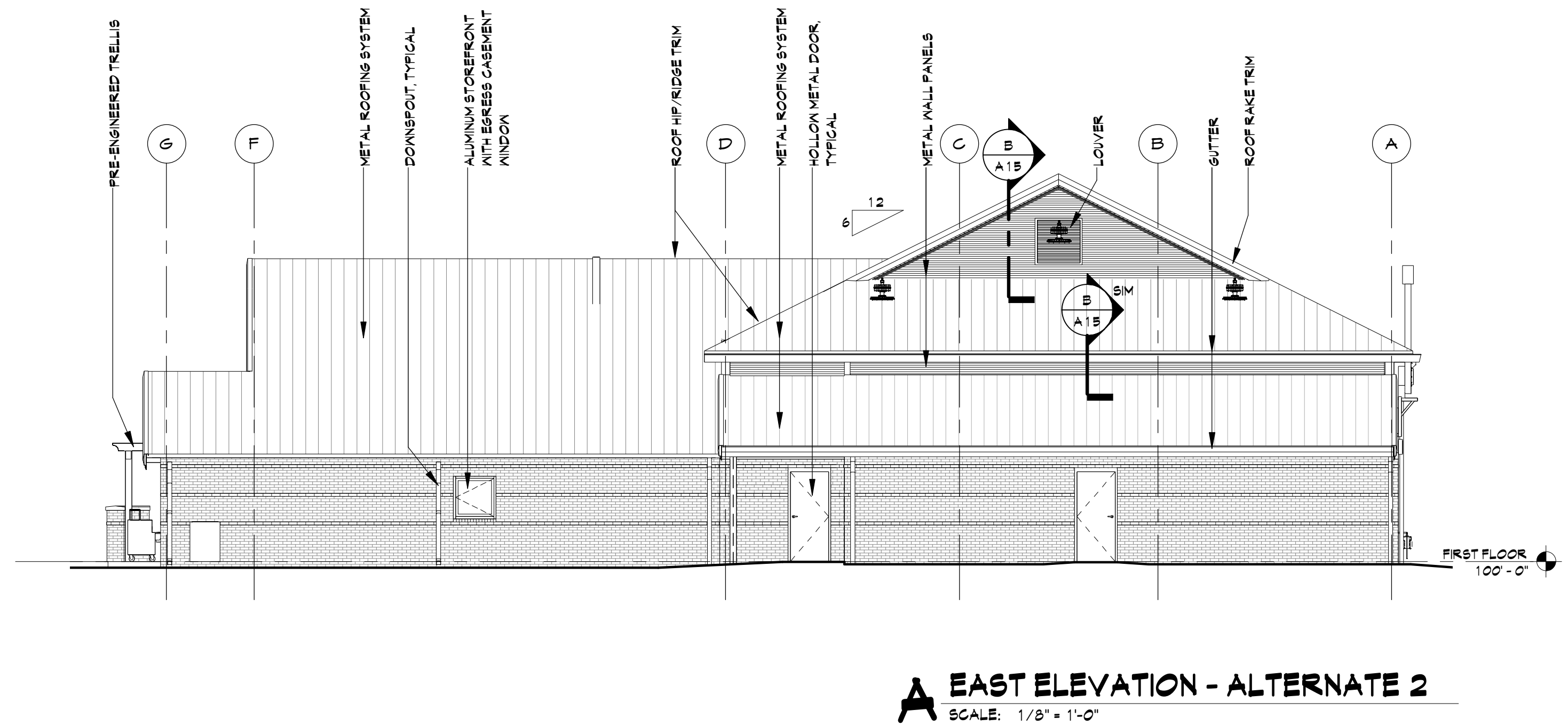
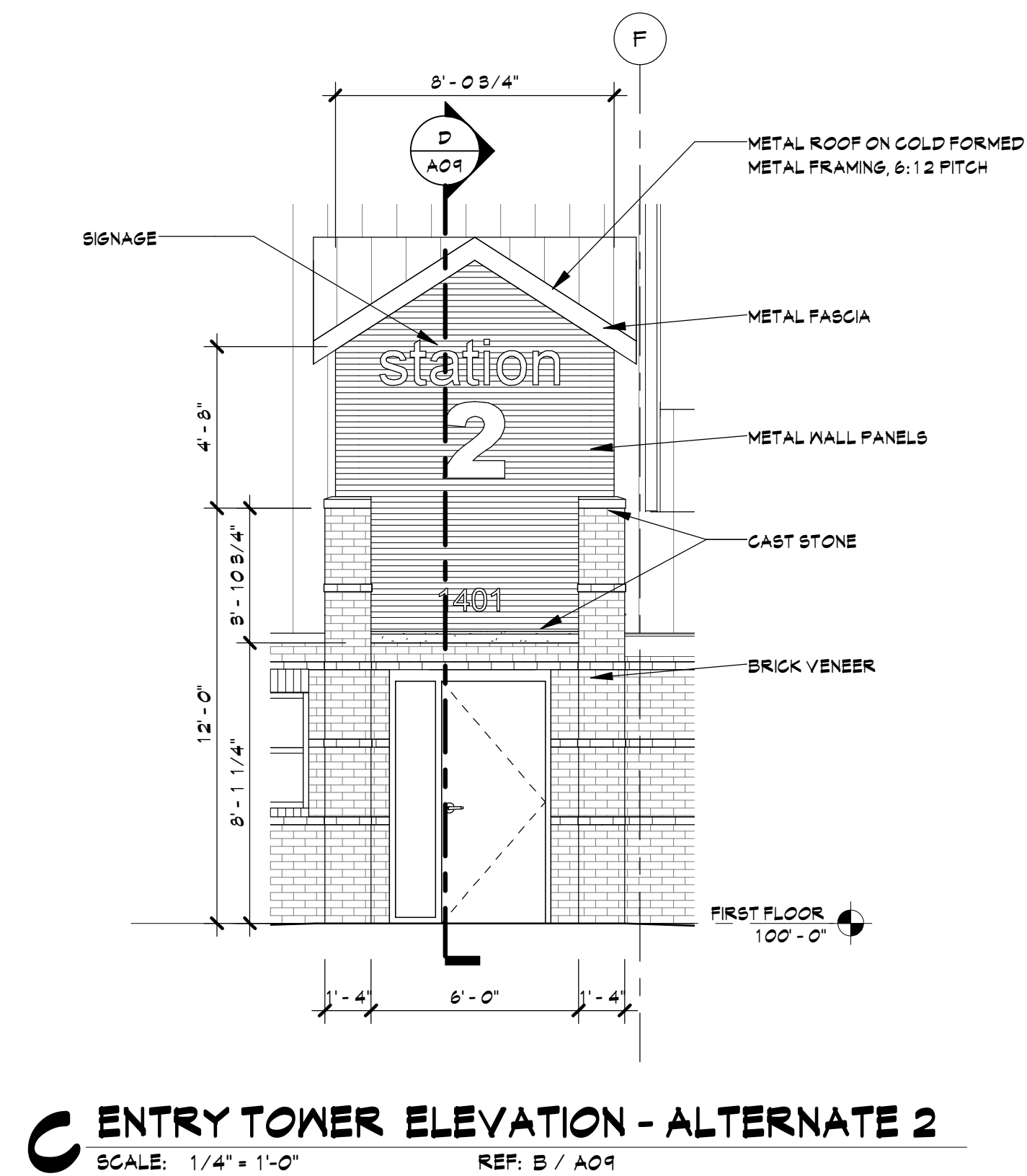
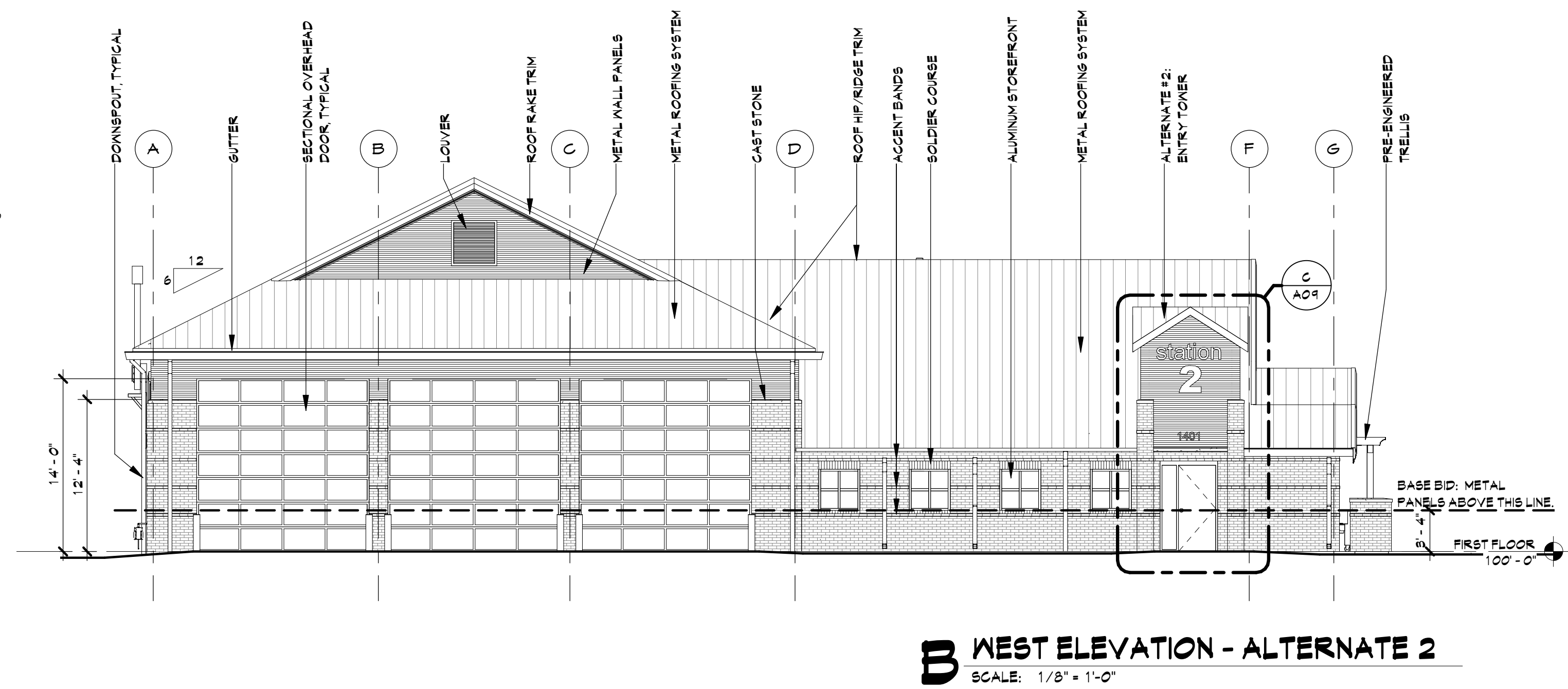
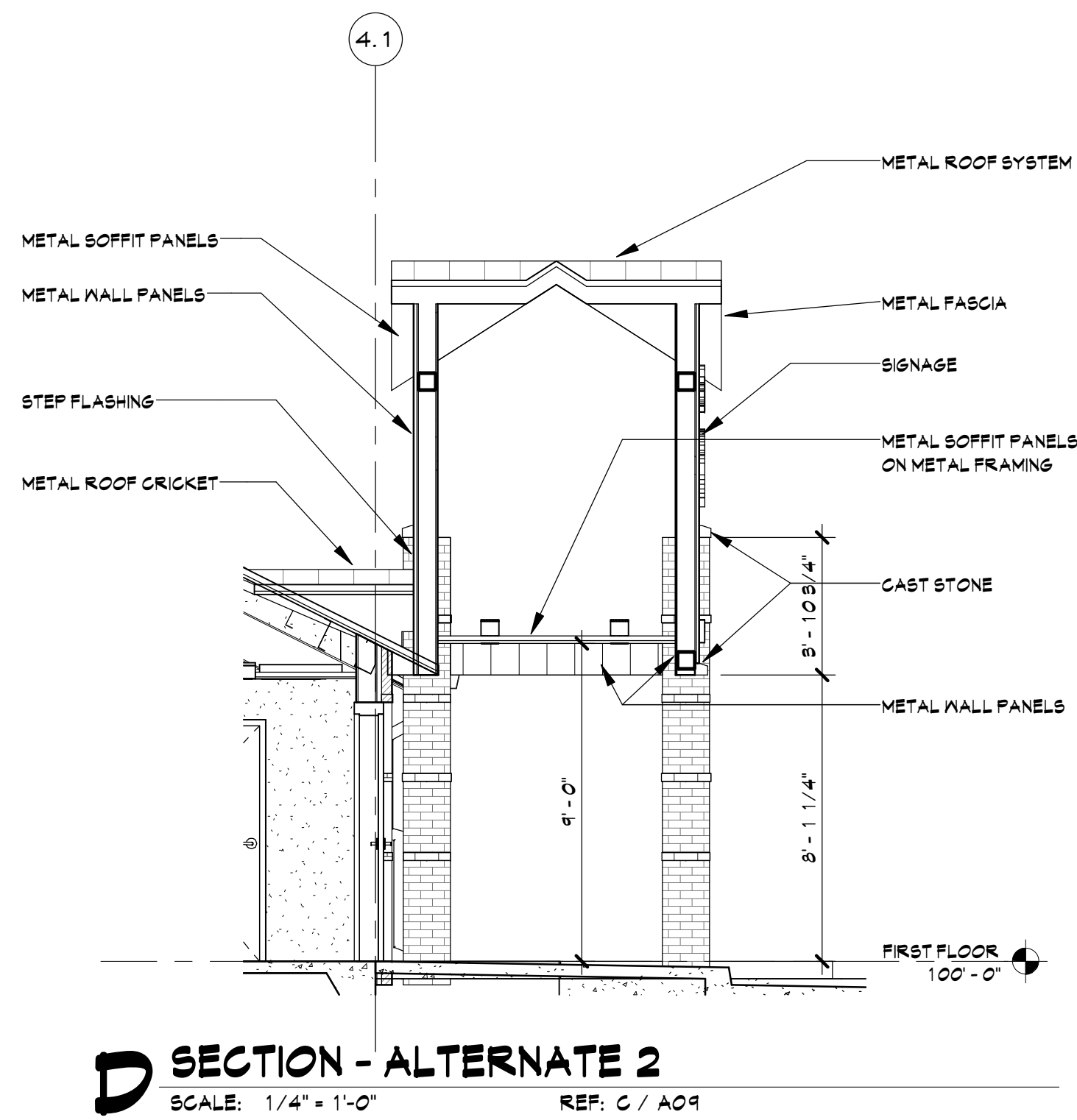
B PATIO - EAST ELEVATION
SCALE: 1/8" = 1'-0" REF: A / A04



D SOUTH ELEVATION - BASE BID
SCALE: 1/8" = 1'-0" REF: B / A02



A NORTH ELEVATION - BASE BID
SCALE: 1/8" = 1'-0" REF: B / A02



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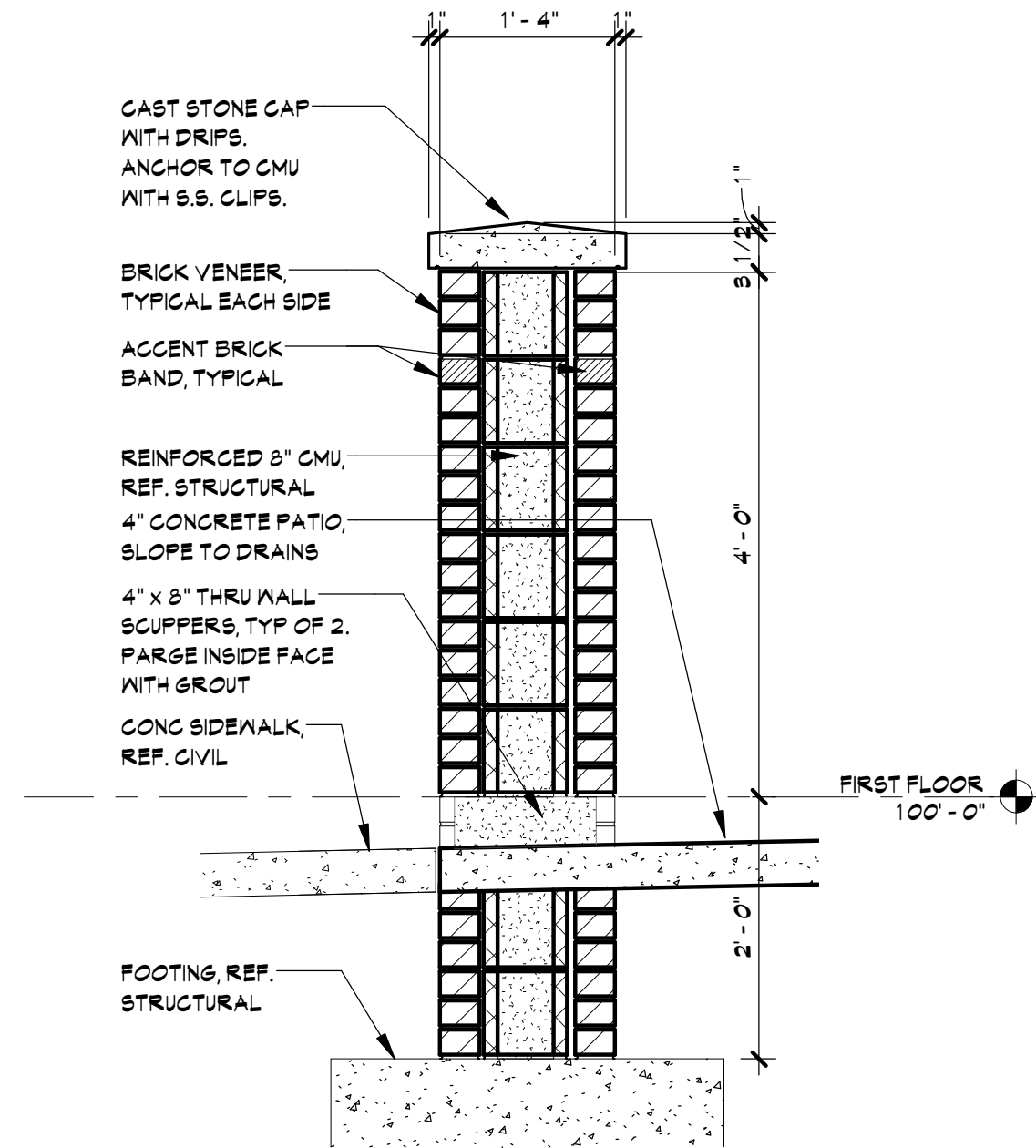
ISSUE DATE
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ISSUE DATE

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RE/REVISION
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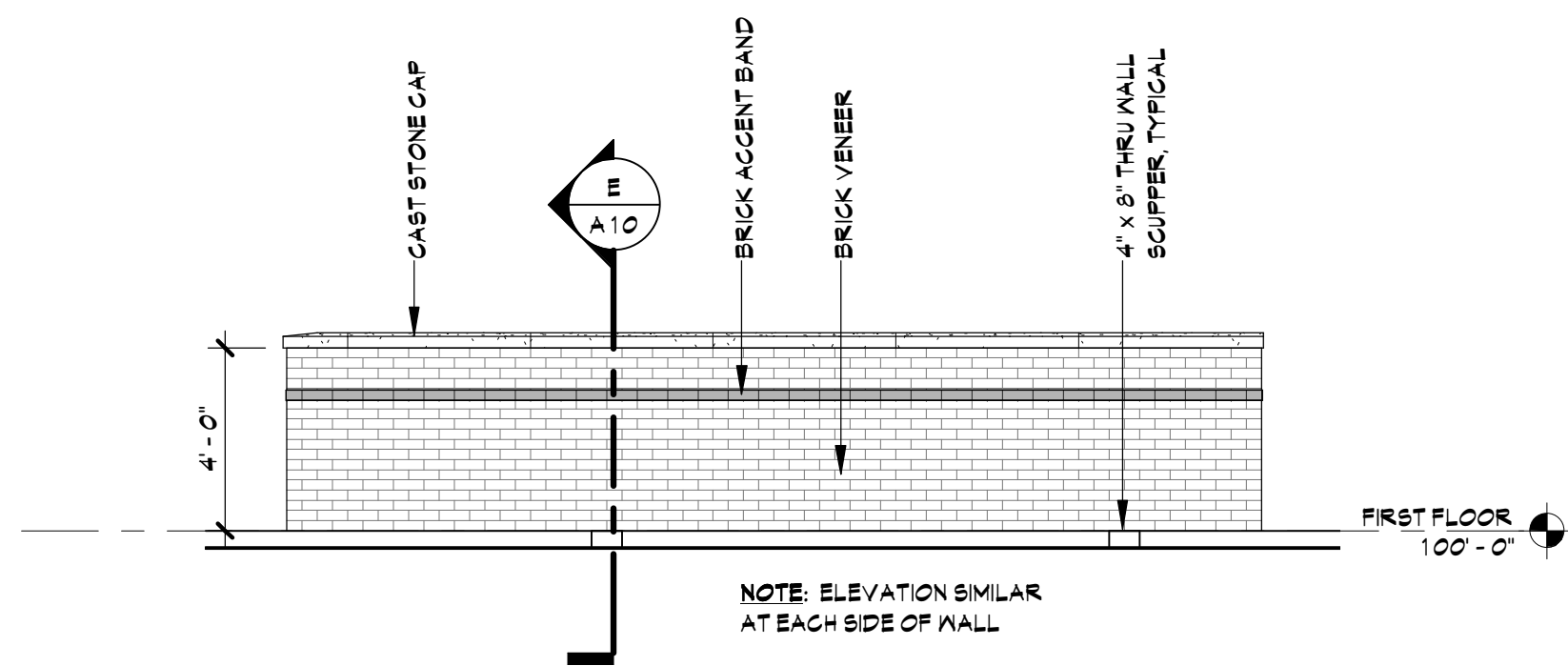
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**EXTERIOR
ELEVATIONS**

SHEET NUMBER

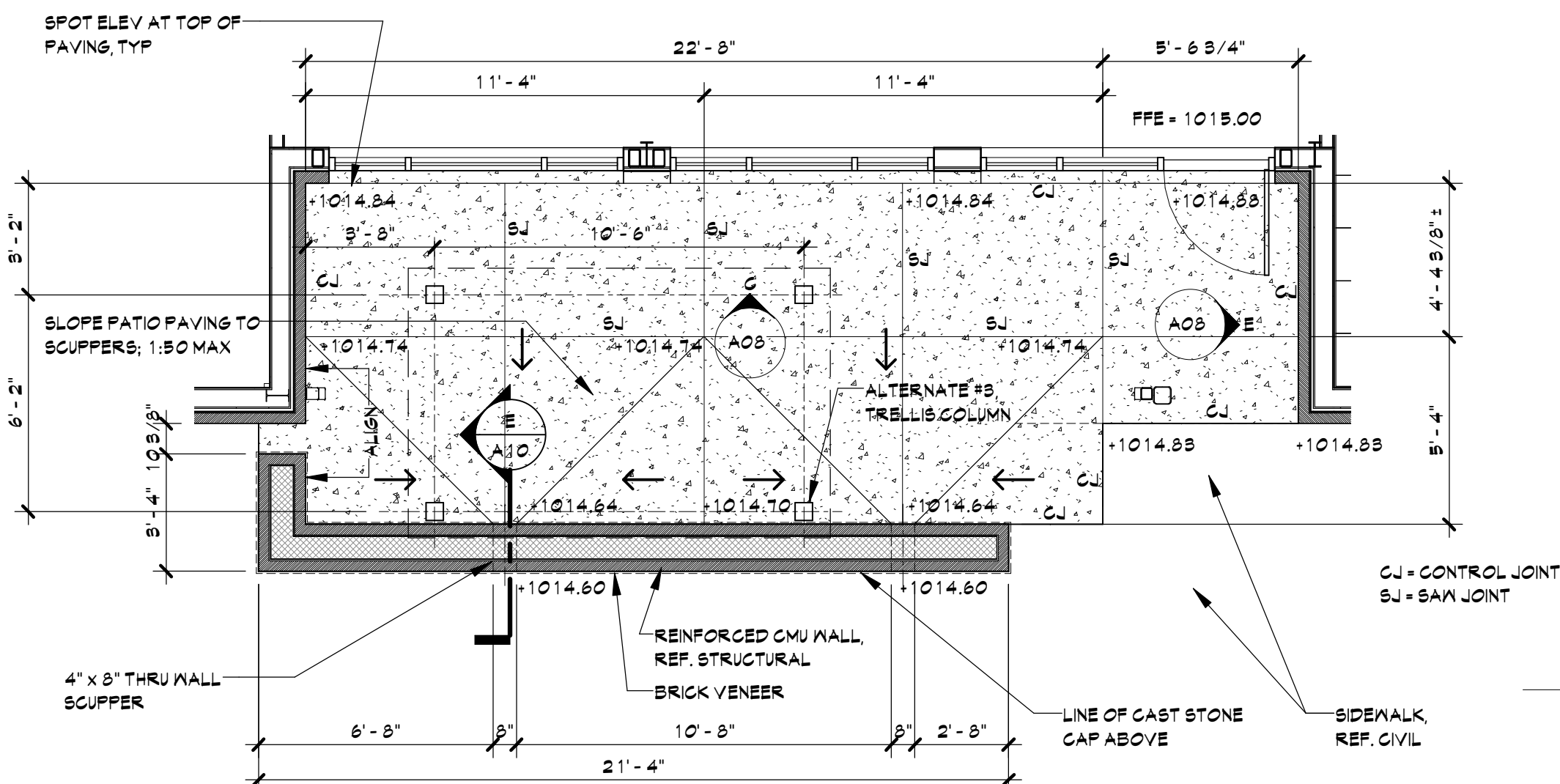
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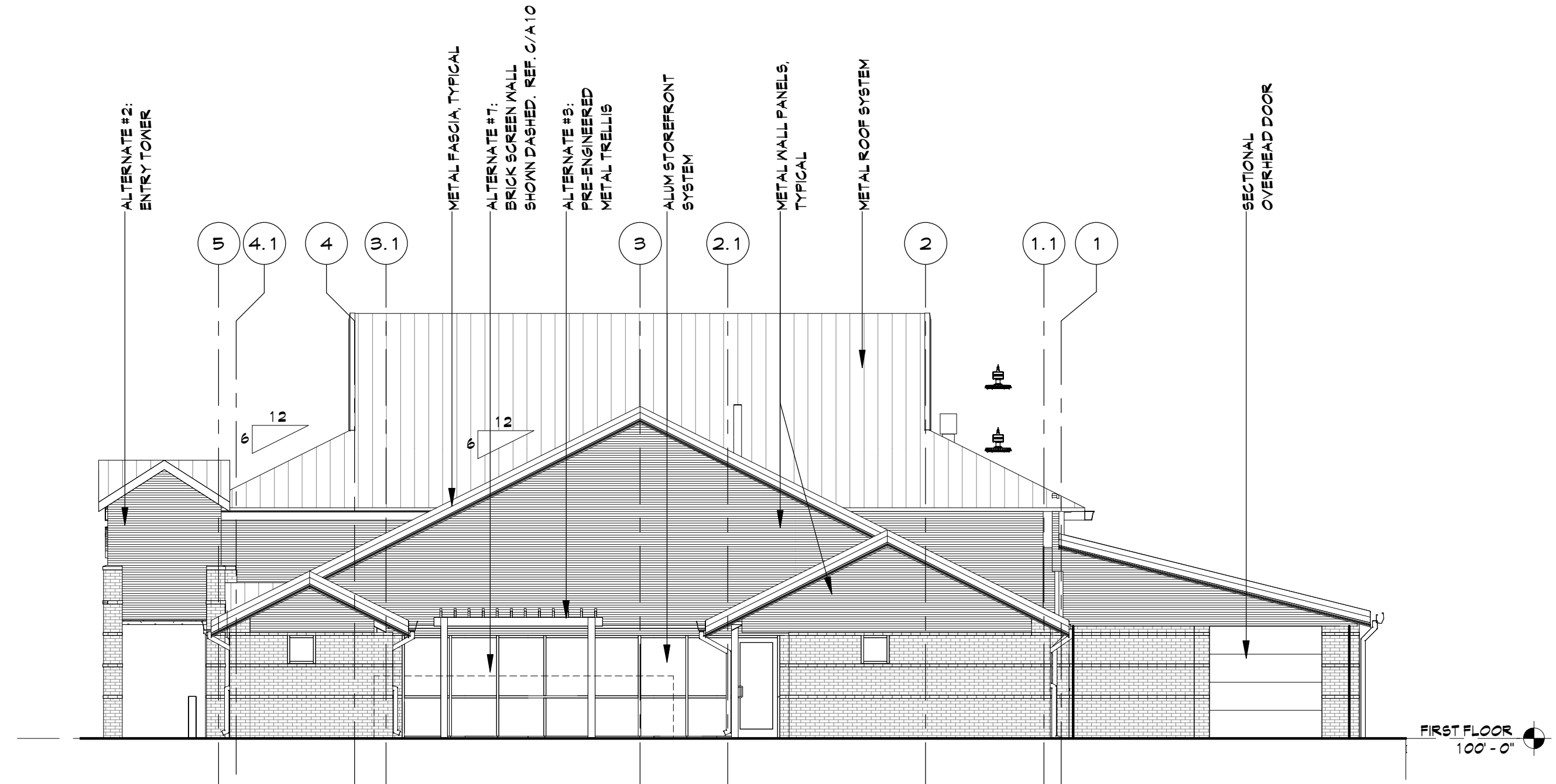
E ALTERNATE #7 - WALL SECTION
SCALE: 3/4" = 1'-0" REF: A / A04



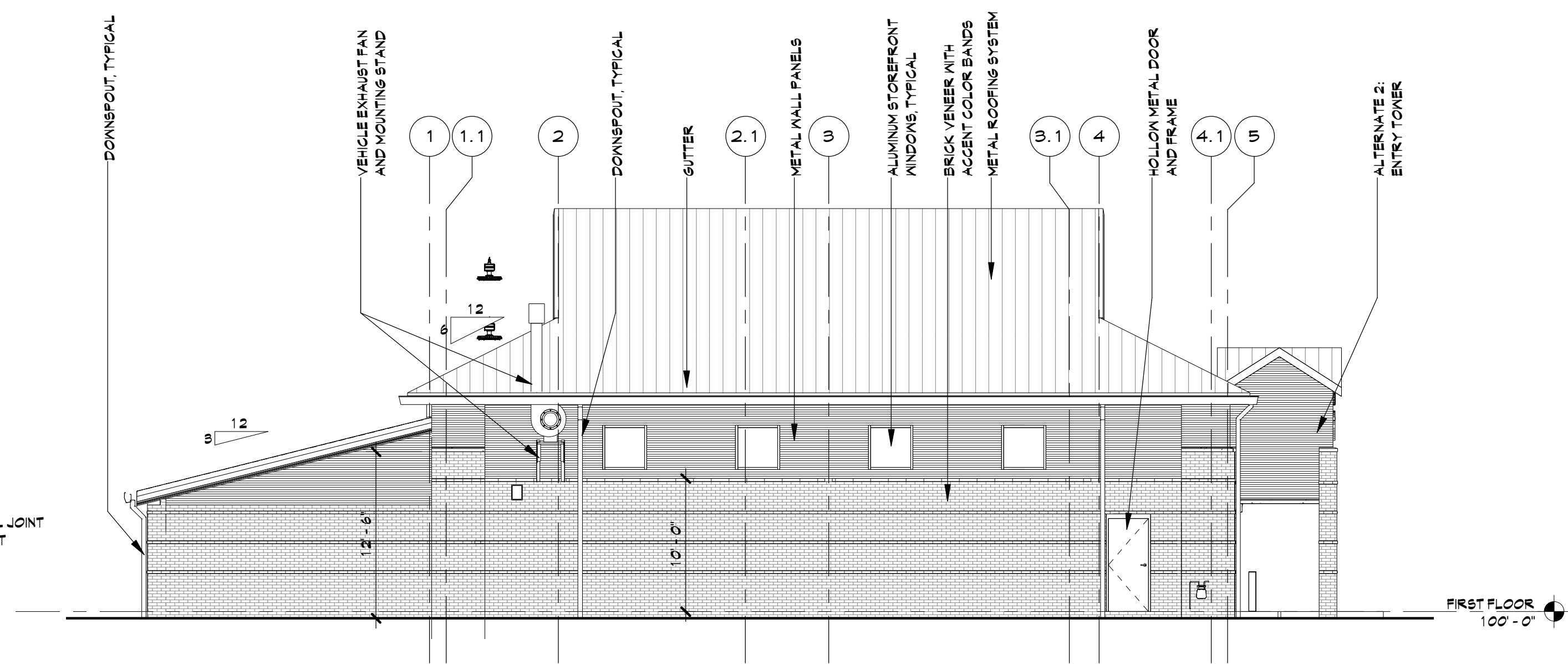
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SCALE: 1/4" = 1'-0" REF: A / A04



C ALTERNATE #7 - SCREEN WALL PLAN
SCALE: 1/4" = 1'-0" REF: A / A04



B SOUTH ELEVATION (ALTERNATES 5)
SCALE: 1/8" = 1'-0"



A NORTH ELEVATION (ALTERNATE 5)
SCALE: 1/8" = 1'-0"

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**EXTERIOR
ELEVATIONS**

SHEET NUMBER
A10

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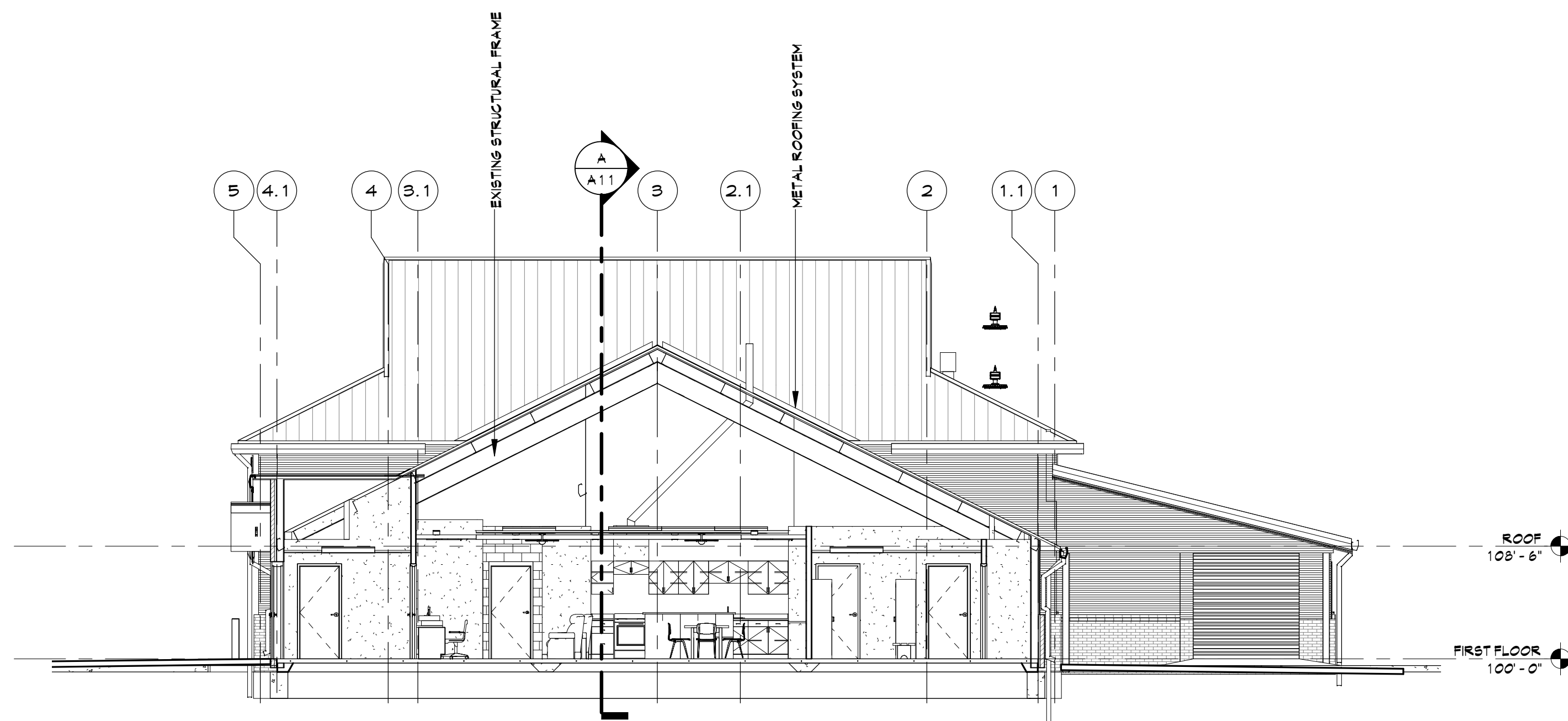
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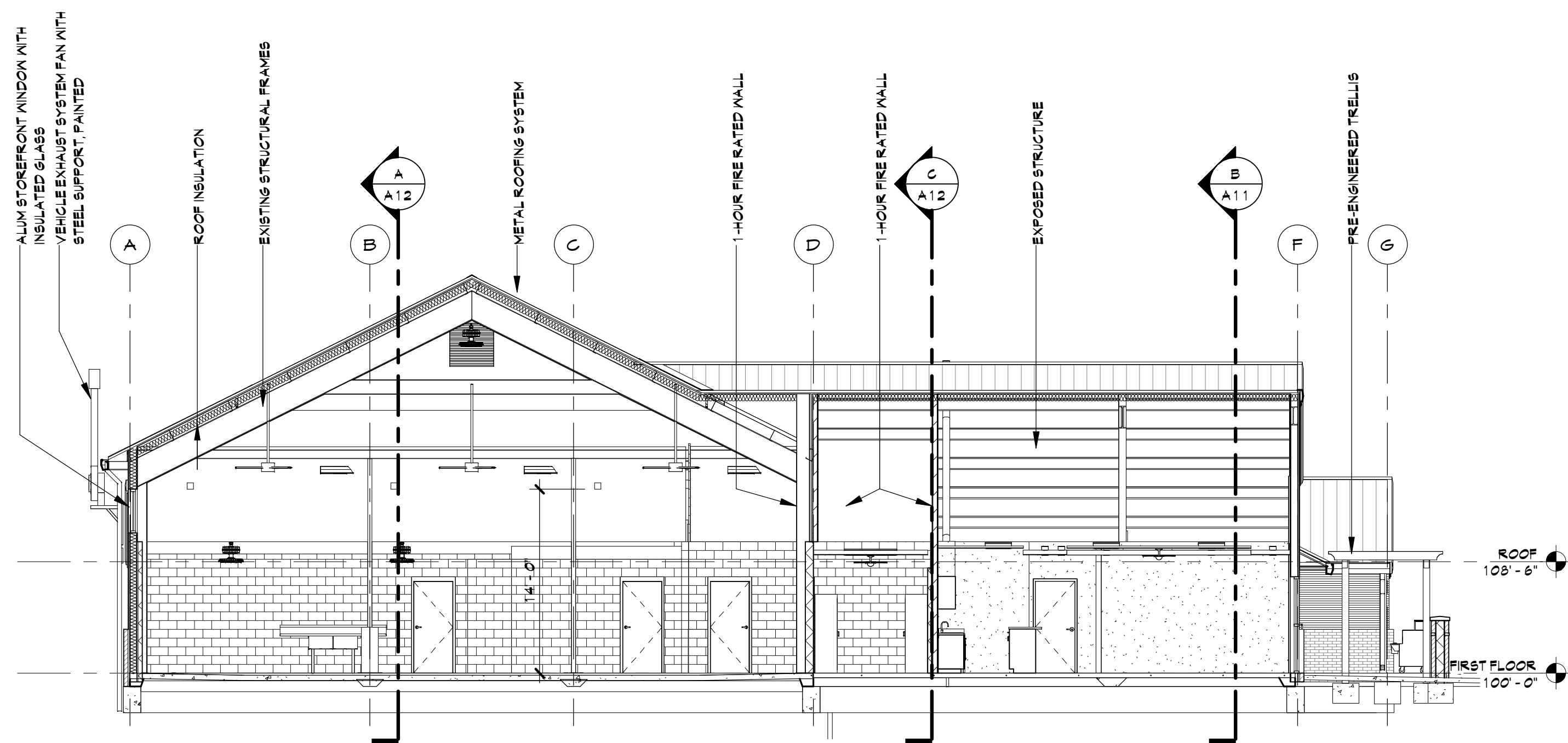
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**BUILDING
SECTIONS**

SHEET NUMBER

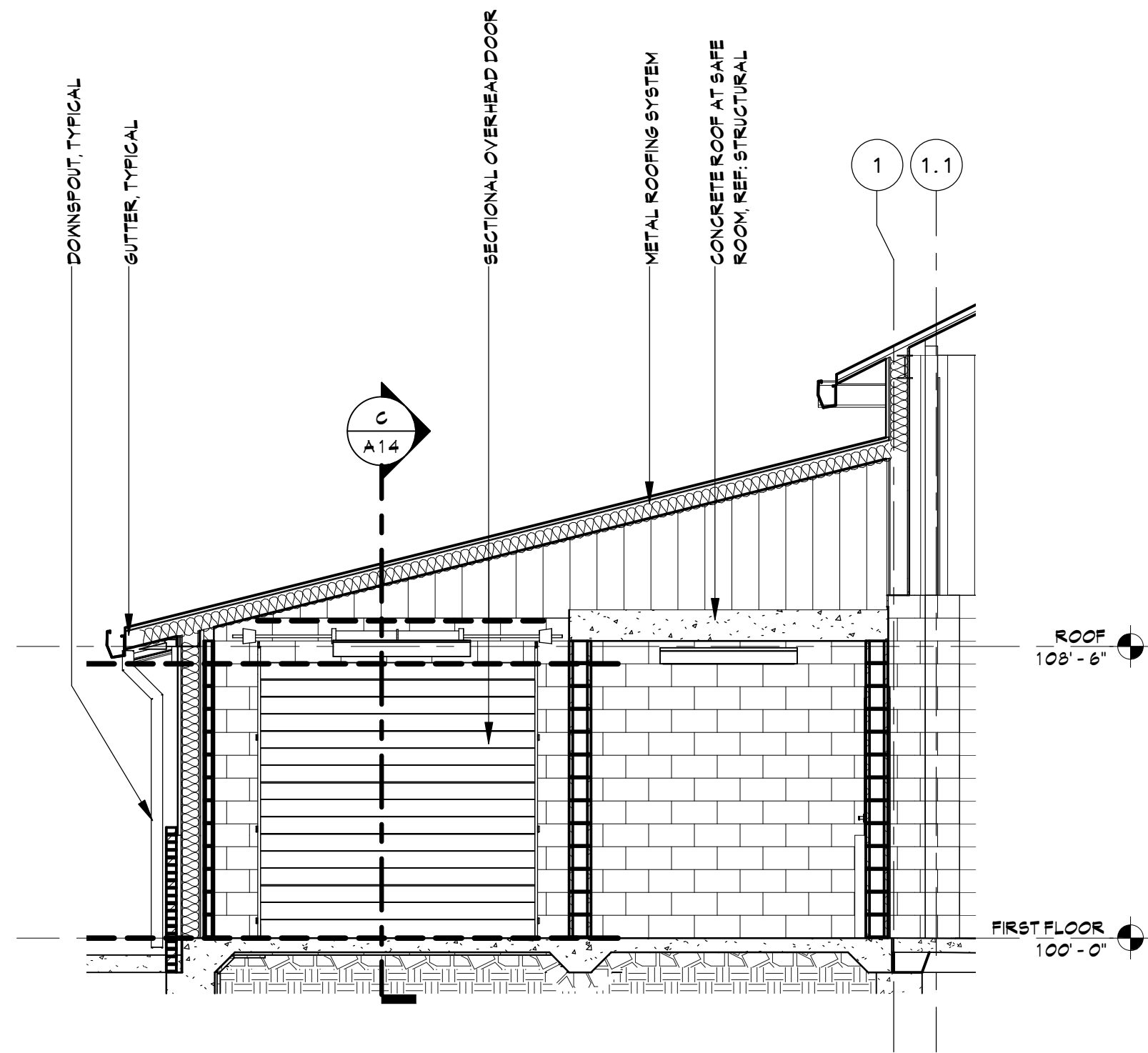
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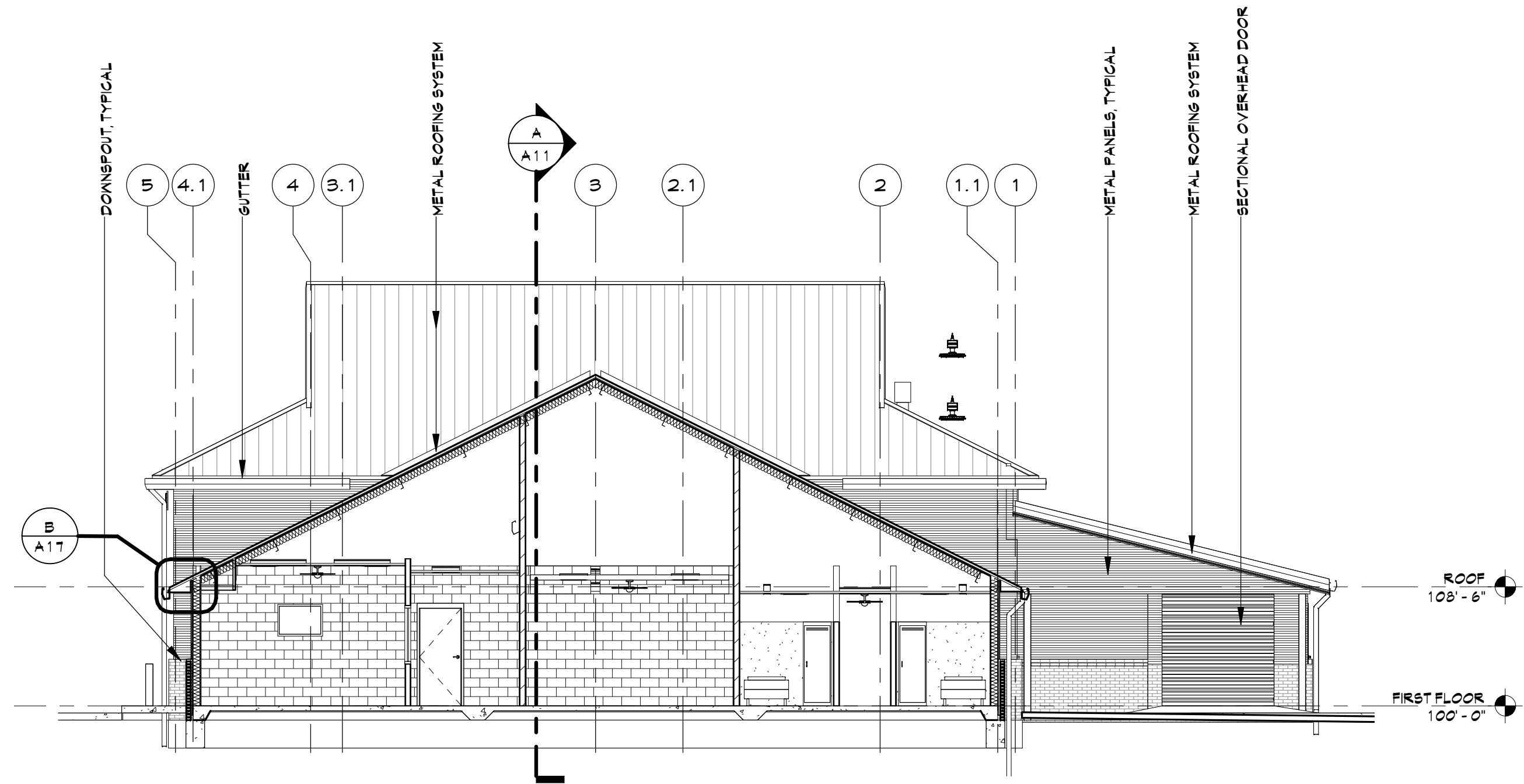
B BUILDING SECTION 2
SCALE: 1/8" = 1'-0" REF. B / A02



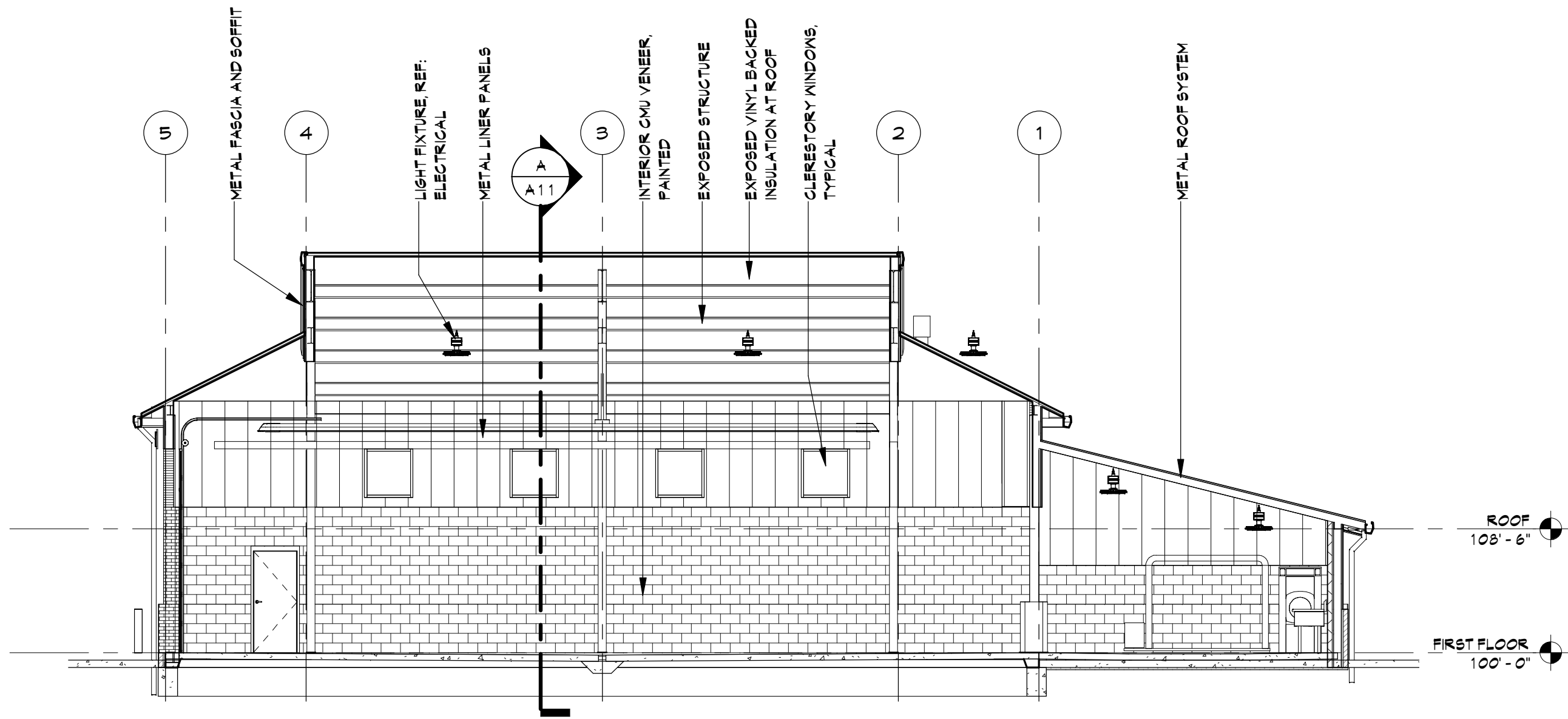
A BUILDING SECTION 1
SCALE: 1/8" = 1'-0" REF. B / A02



B WALL SECTION 6
SCALE: 1/4" = 1'-0" REF: A / A05



C BUILDING SECTION 3
SCALE: 1/8" = 1'-0" REF: B / A02



A BUILDING SECTION 4
SCALE: 1/8" = 1'-0" REF: B / A02

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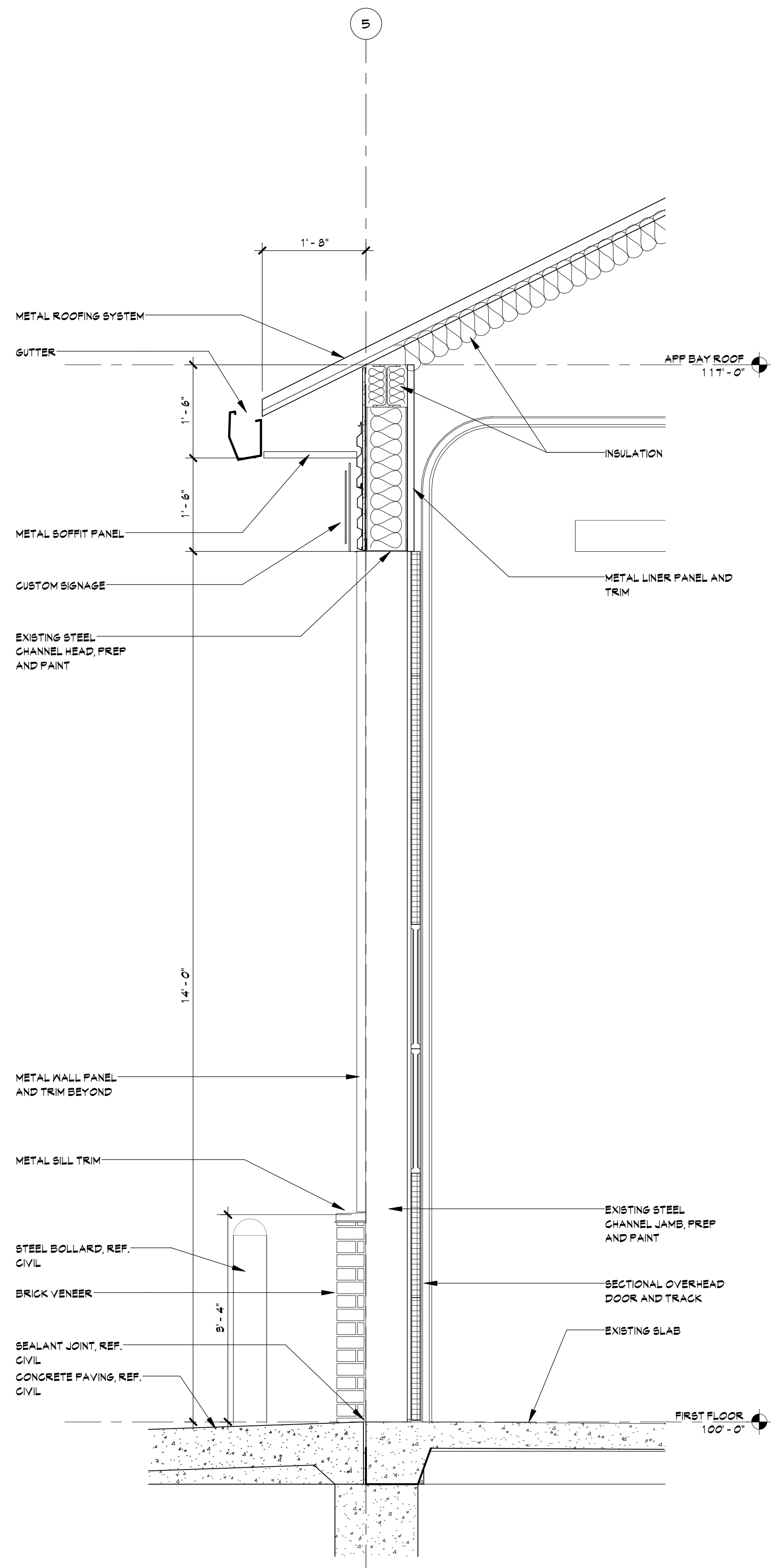
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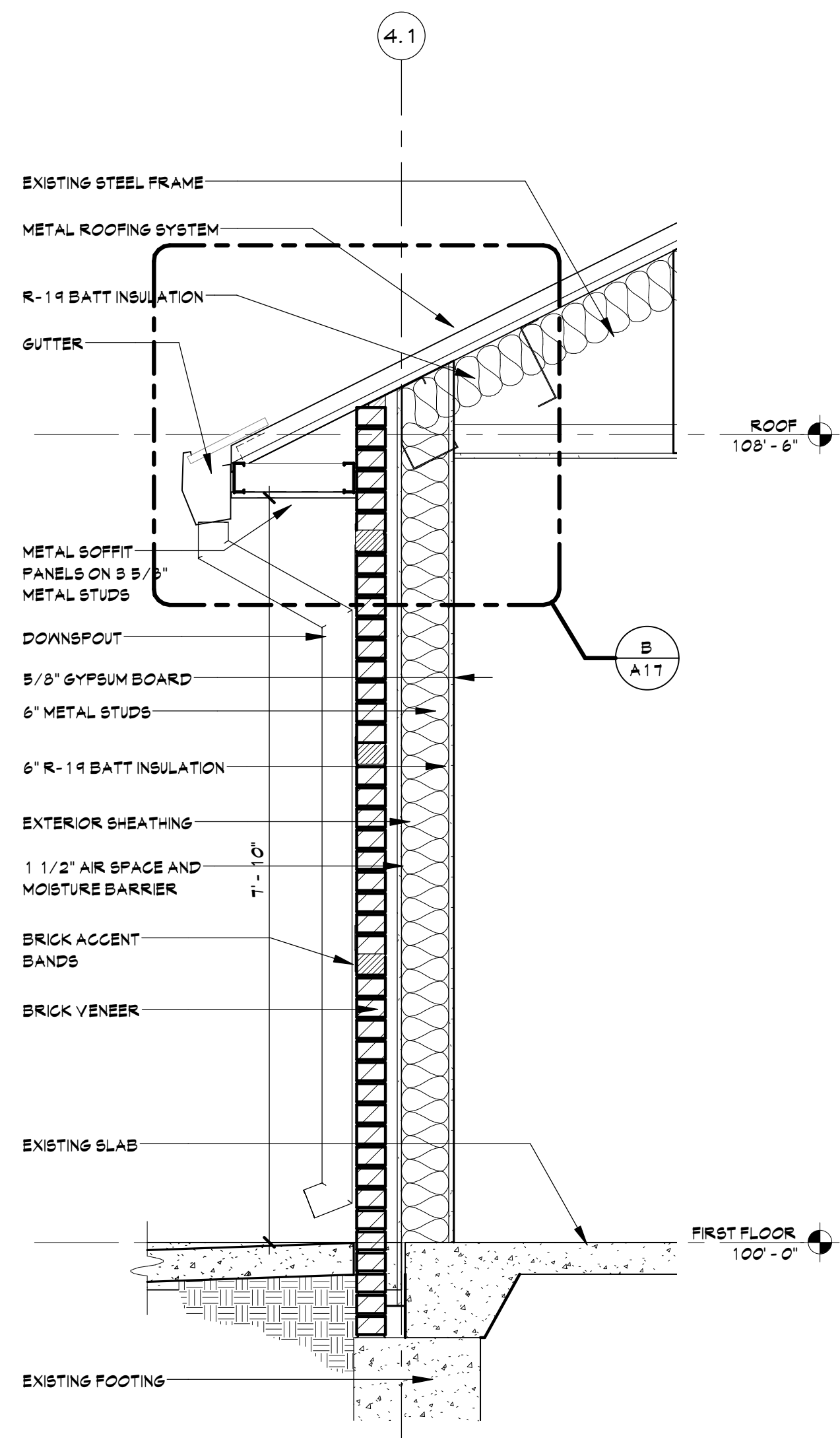
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TITLE
**BUILDING
SECTIONS**

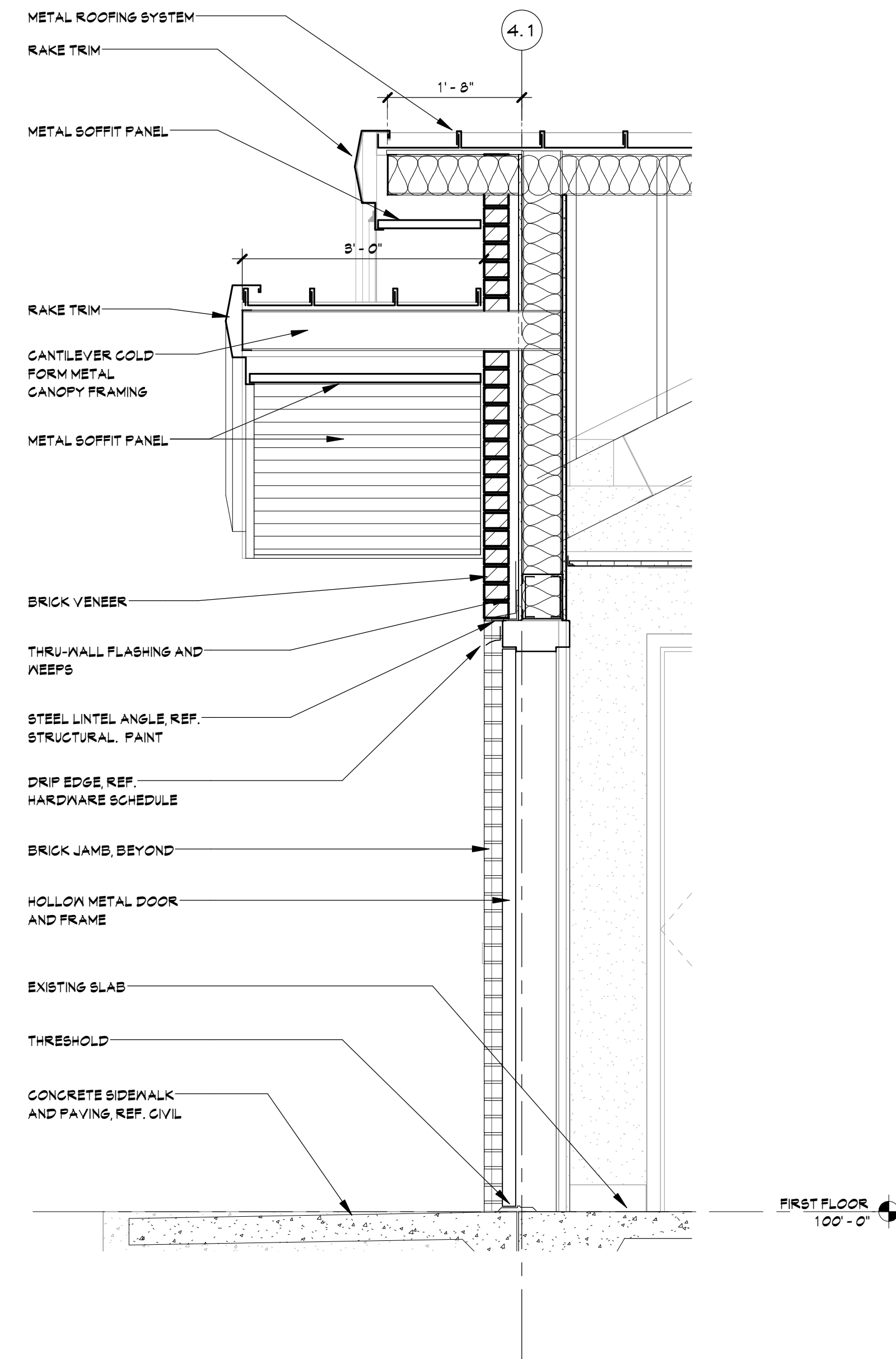
SHEET NUMBER
A12



C WALL SECTION AT TRUCK BAY DOOR
SCALE: 3/4" = 1'-0" REF: A / A05



B WALL SECTION 2
SCALE: 3/4" = 1'-0" REF: A / A04



A WALL SECTION AT ENTRY (BASE BID)
SCALE: 3/4" = 1'-0" REF: /

FRITZ BAILY

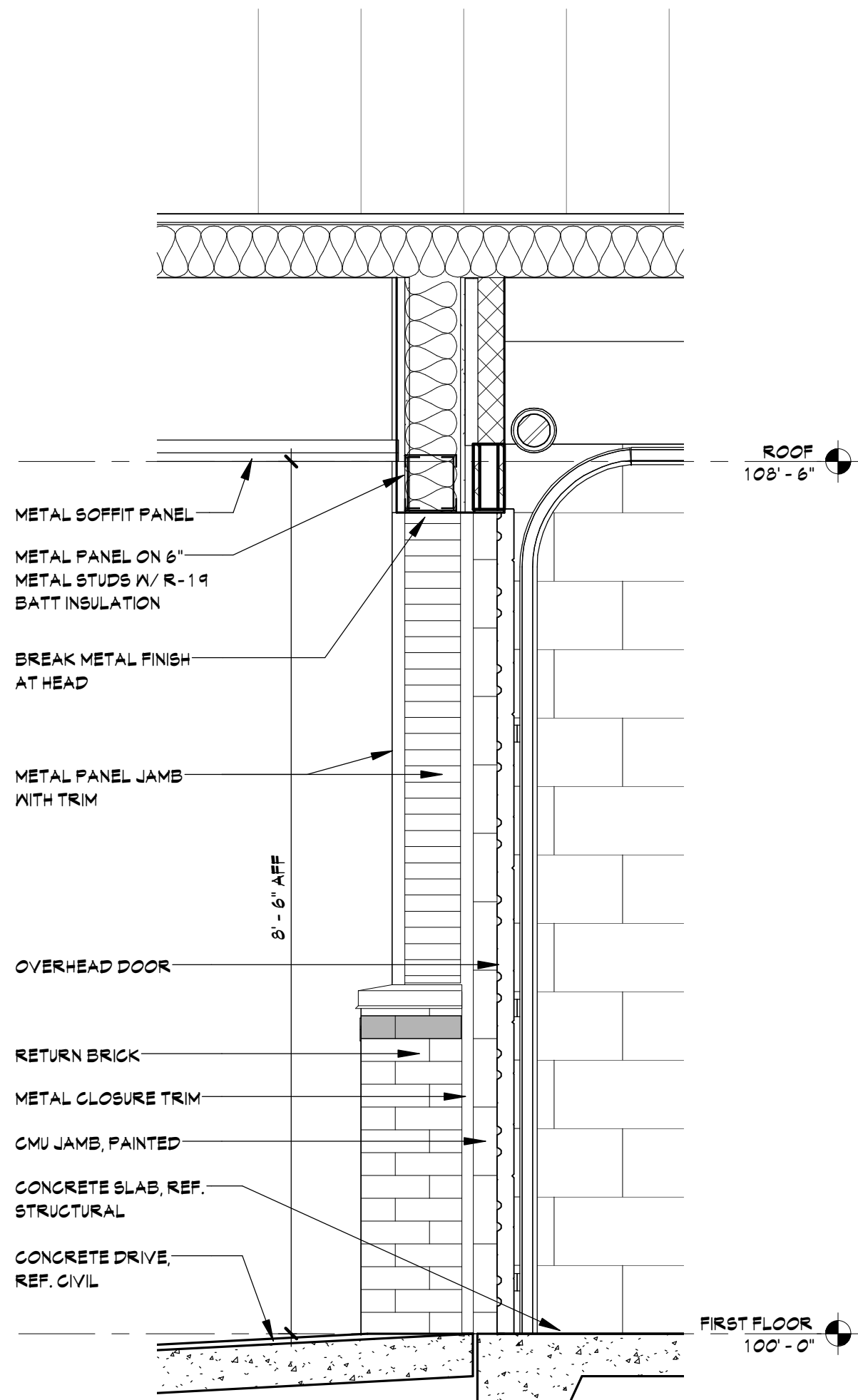
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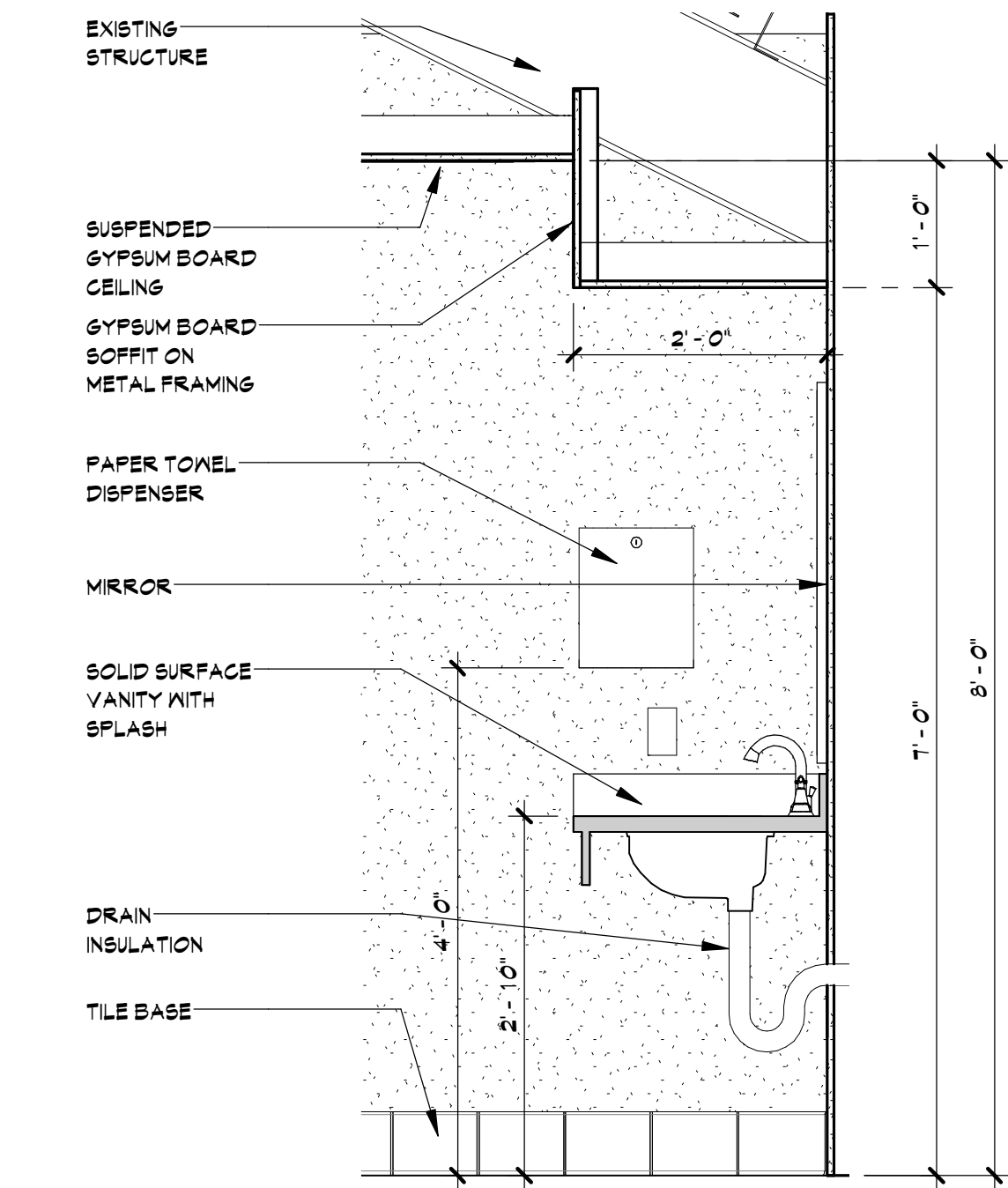
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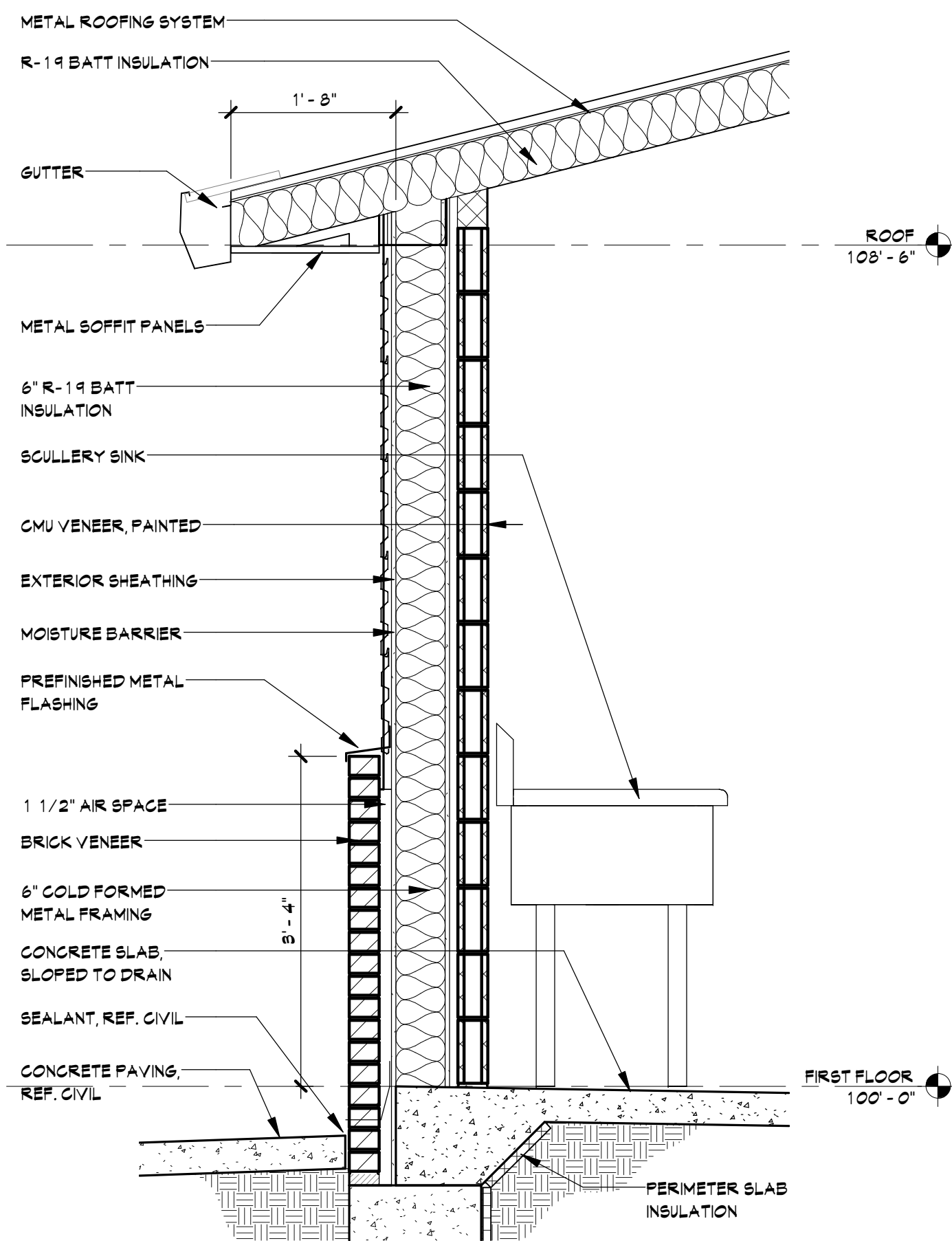
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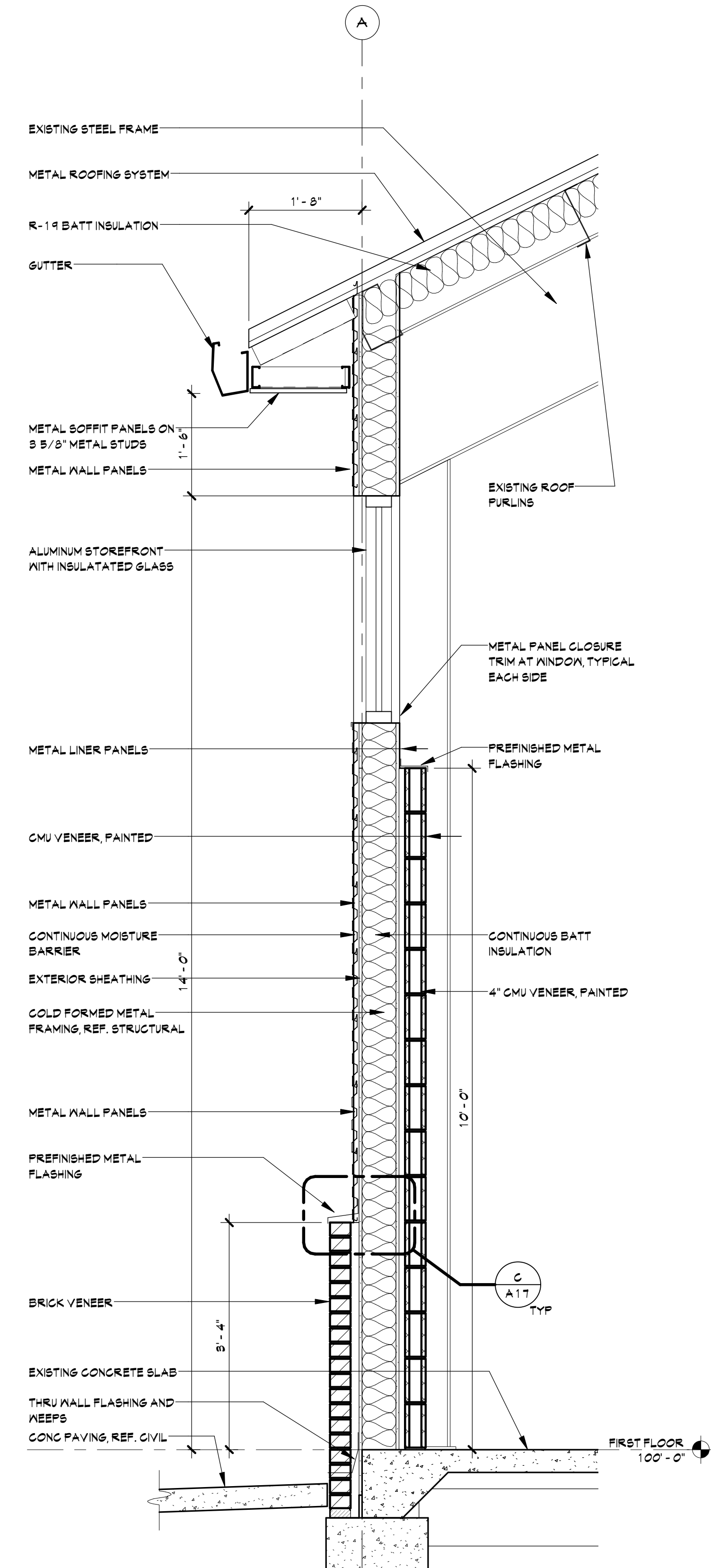
C WALL SECTION 7
SCALE: 3/4" = 1'-0" REF: A / A05



D VANITY SECTION
SCALE: 3/4" = 1'-0" REF: B / A18



B WALL SECTION 5
SCALE: 3/4" = 1'-0" REF: A / A05



A WALL SECTION 4
SCALE: 3/4" = 1'-0" REF: A / A05

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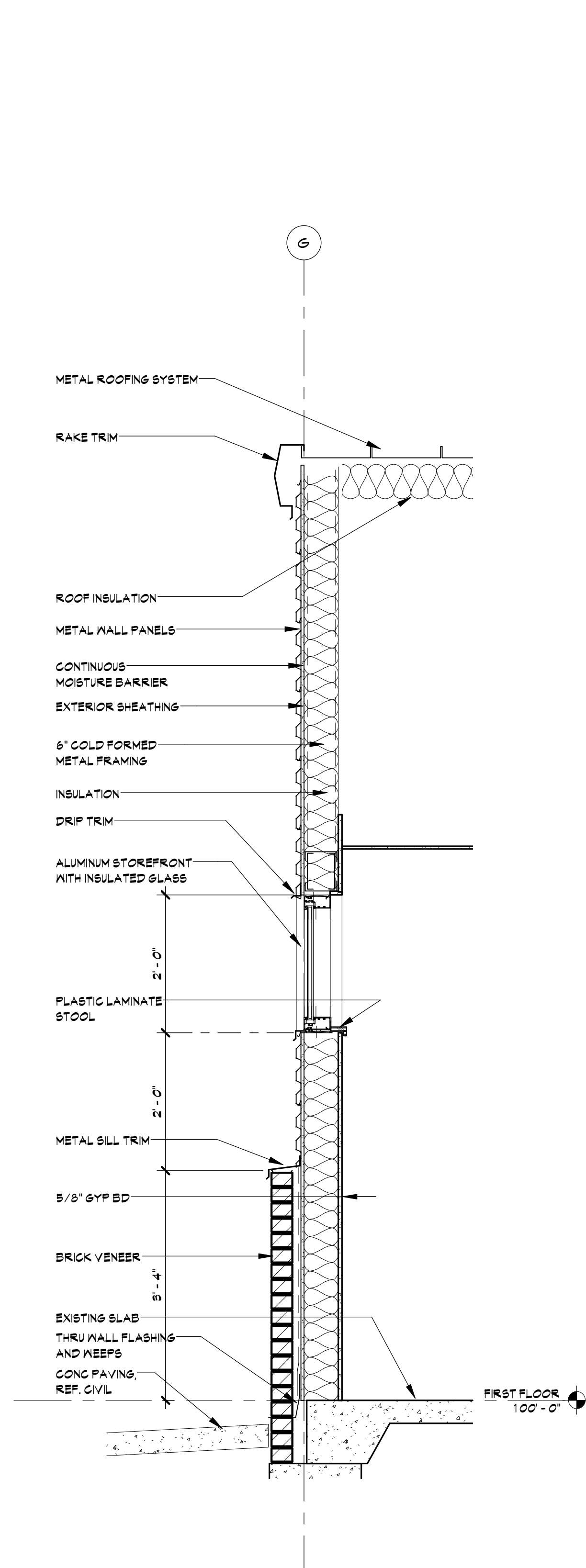
CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB
1401 North Bryan Avenue Shawnee, Oklahoma

ISSUE DATE
01/09/17

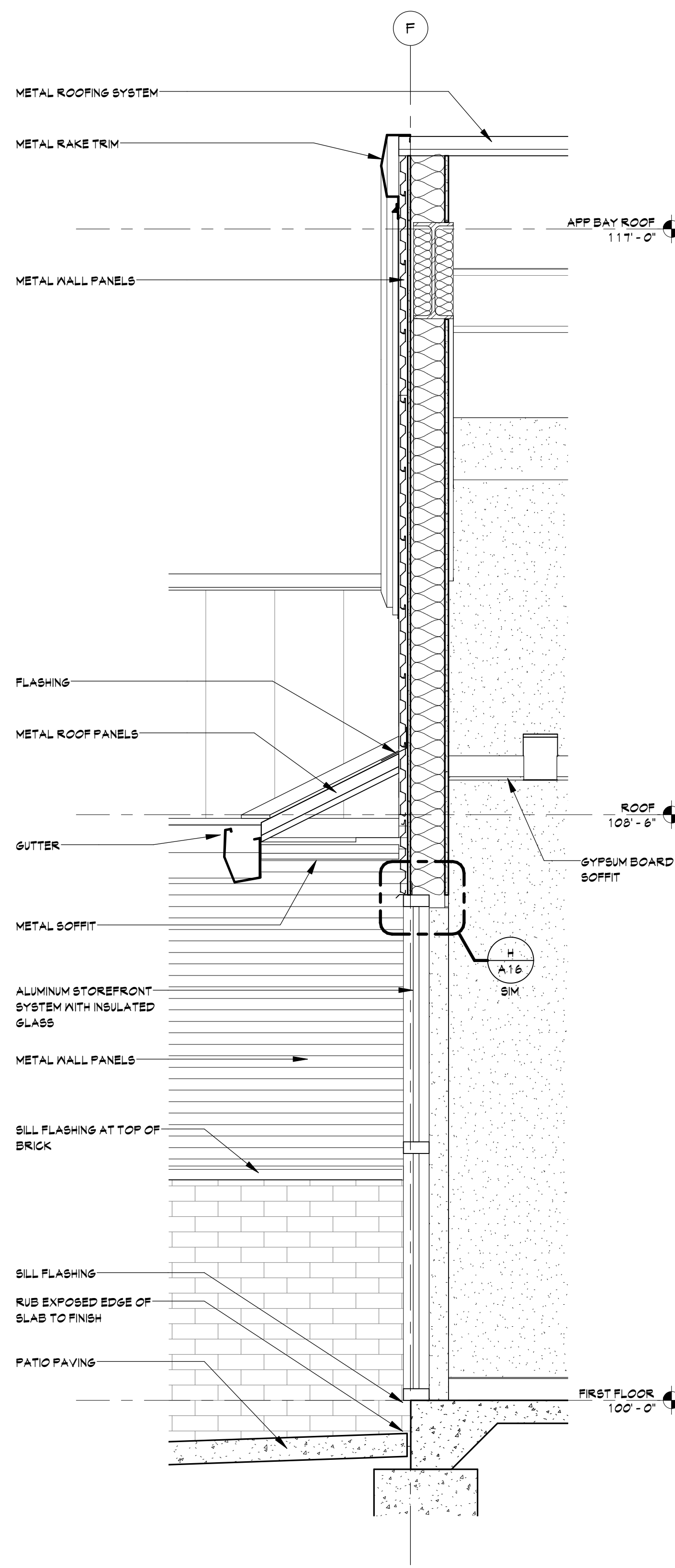
PROJECT NUMBER 1114-01
REVIEWED BY TO
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TITLE
WALL SECTIONS

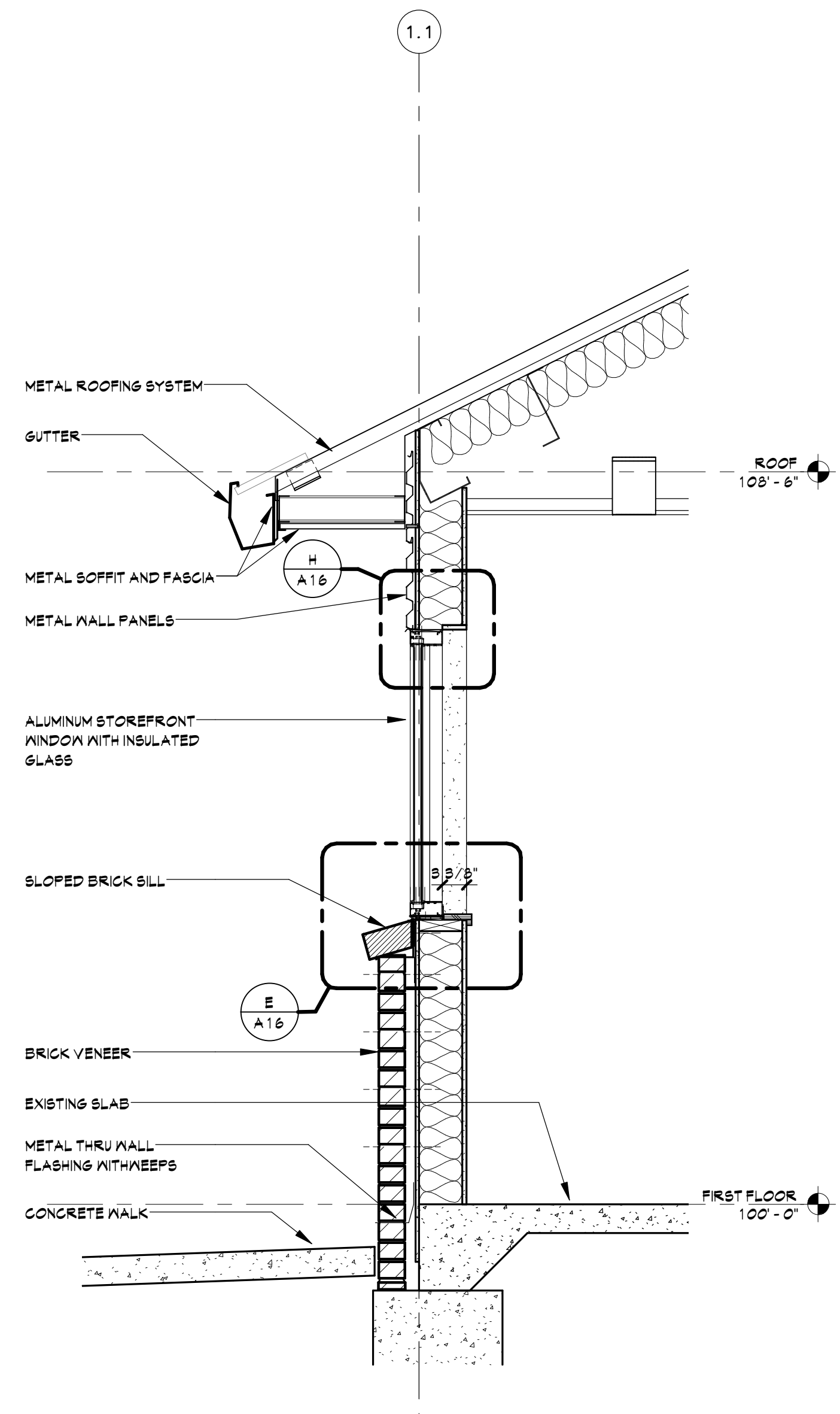
SHEET NUMBER
A14



C WALL SECTION 9
SCALE: 3/4" = 1'-0" REF: A / A04



B WALL SECTION AT STOREFRONT
SCALE: 3/4" = 1'-0" REF: A / A04



A WALL SECTION AT WINDOW
SCALE: 3/4" = 1'-0" REF: A / A04

**FRITZ
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**CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB**

1401 North Bryan Avenue Shawnee, Oklahoma

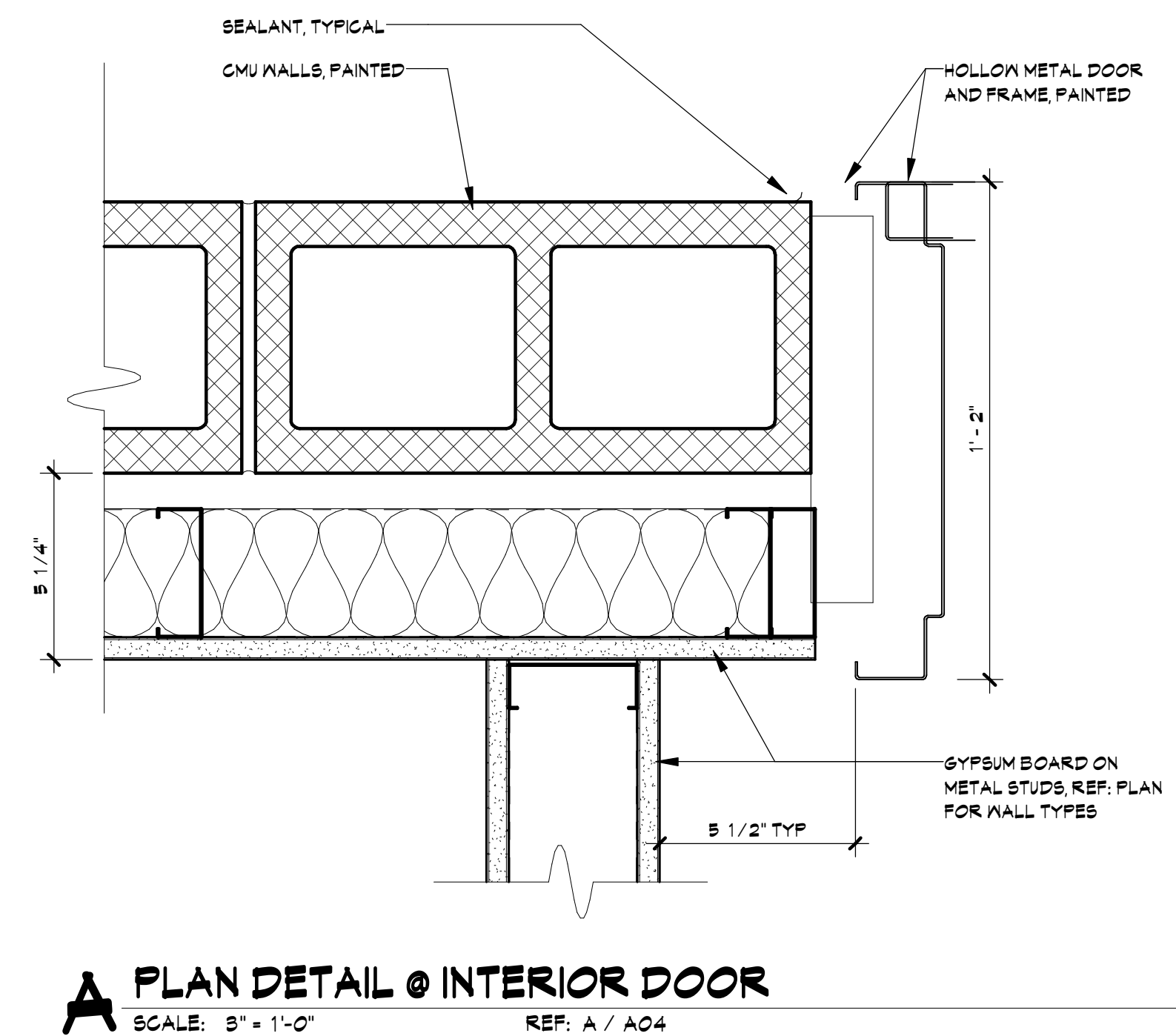
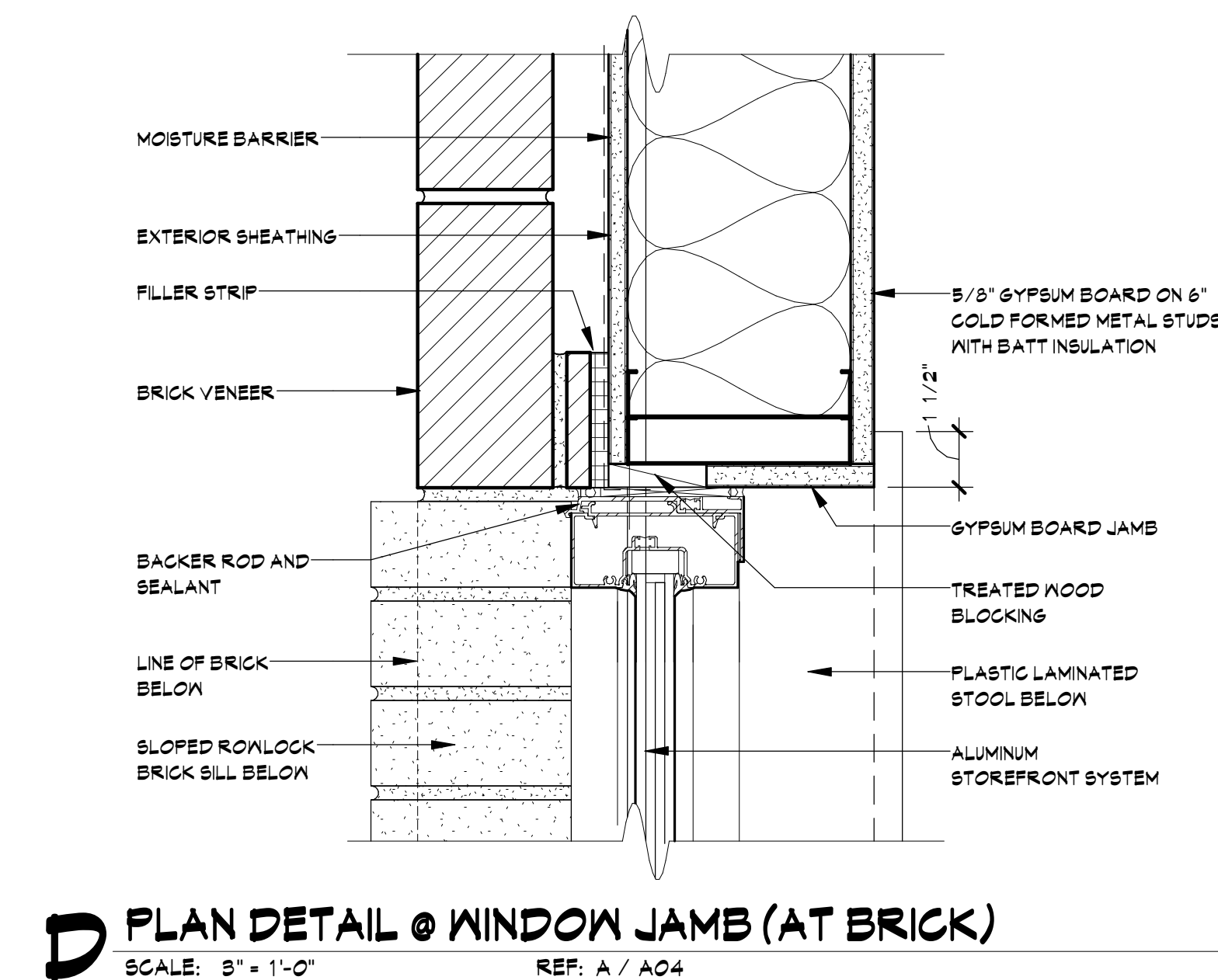
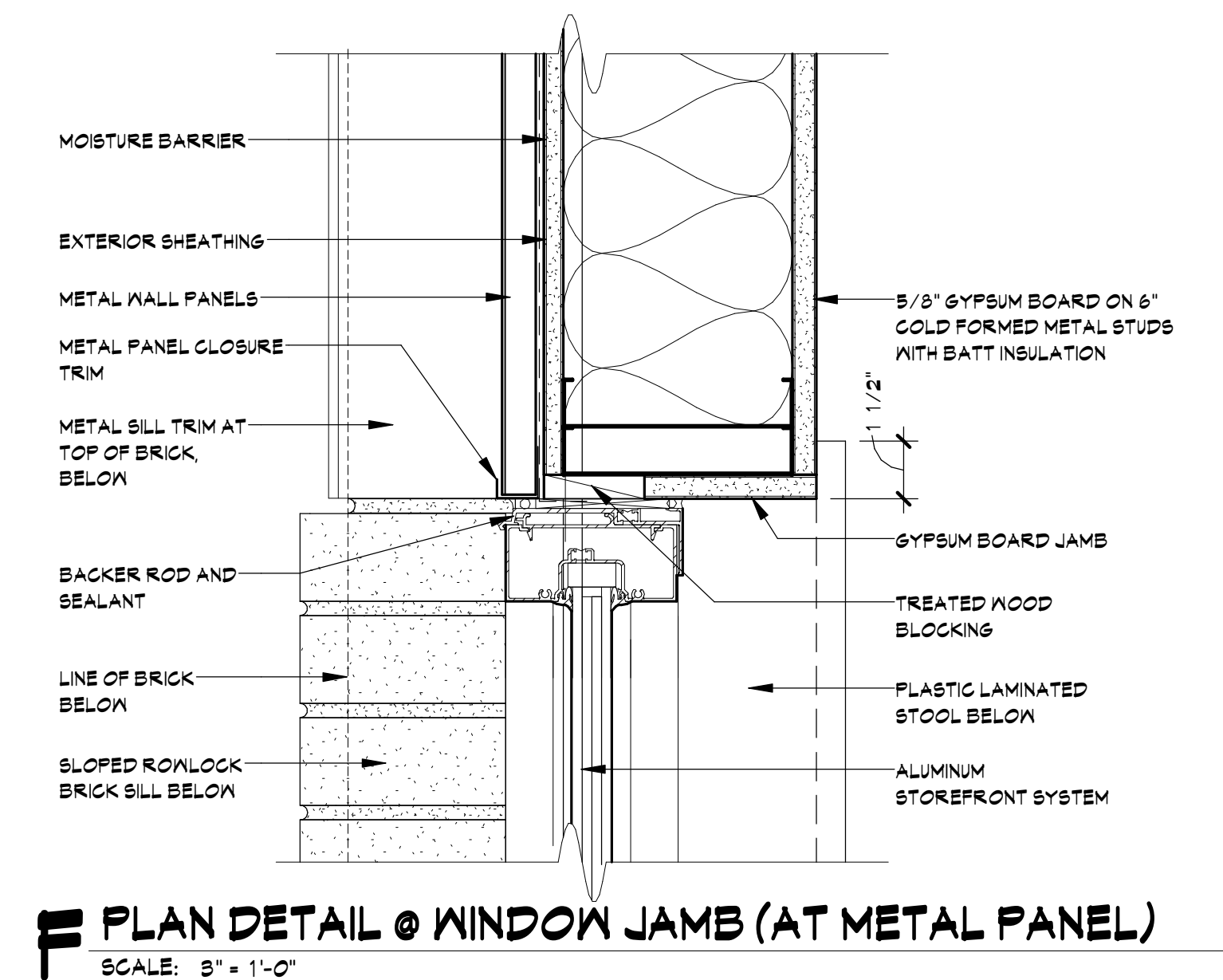
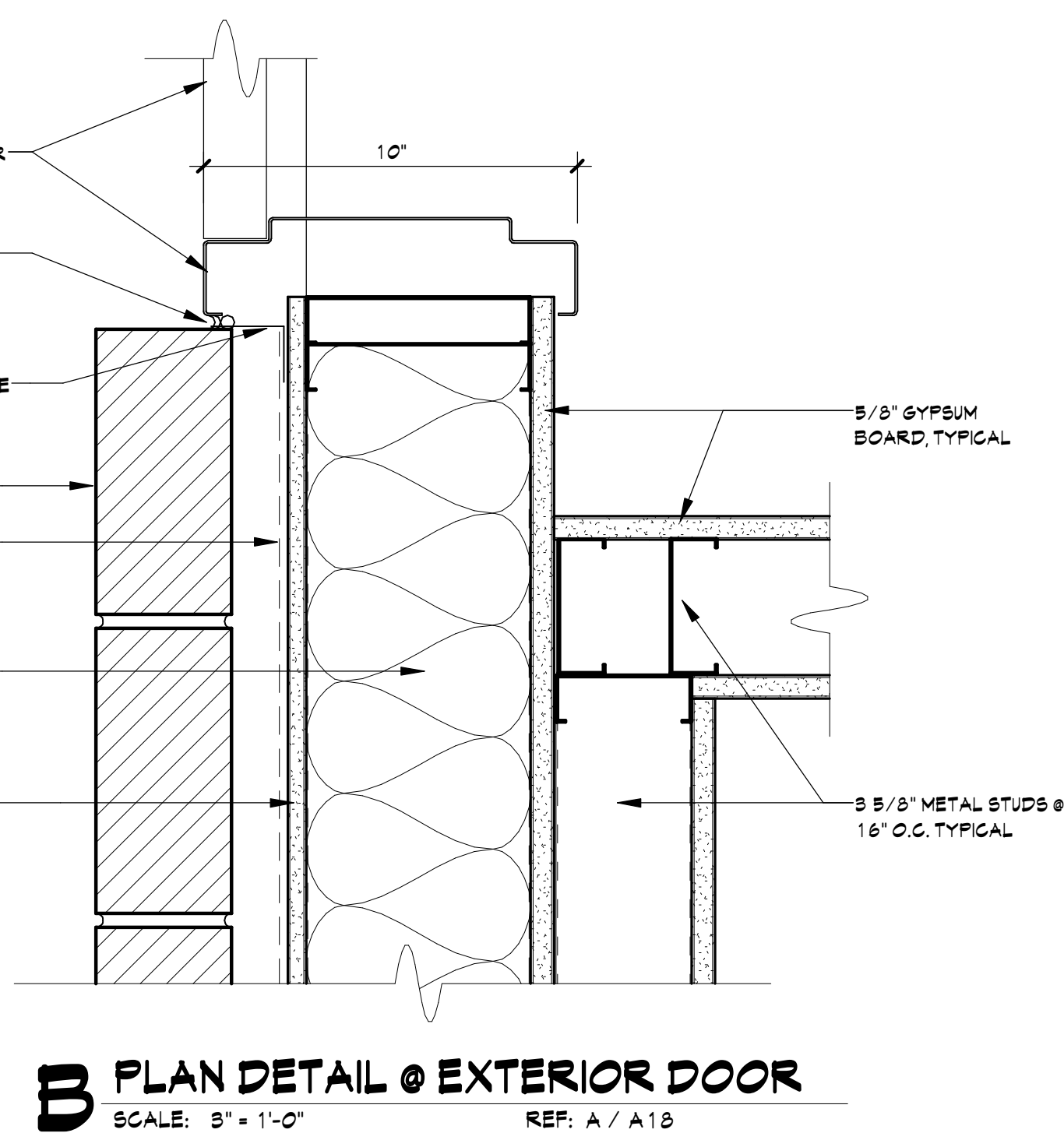
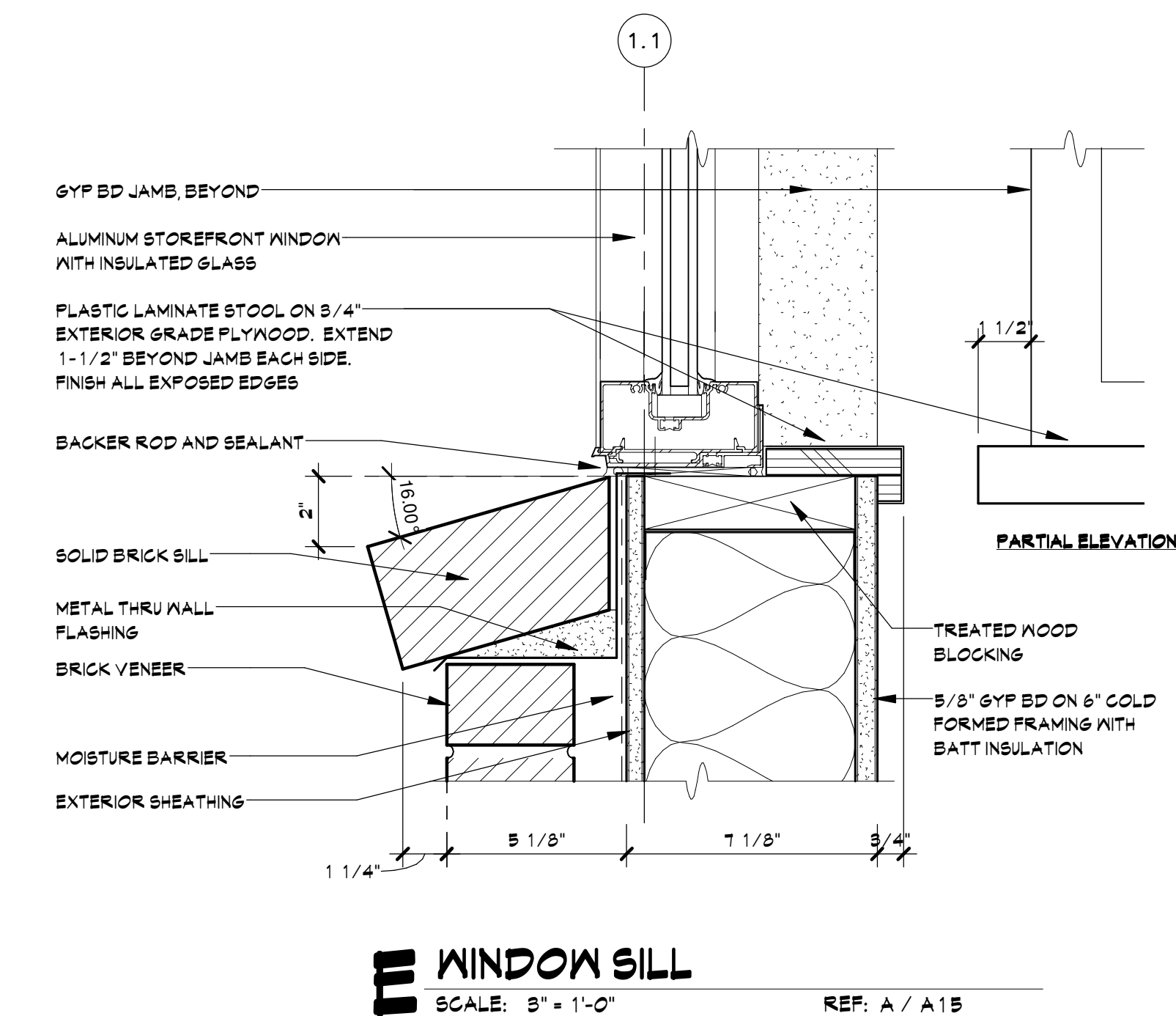
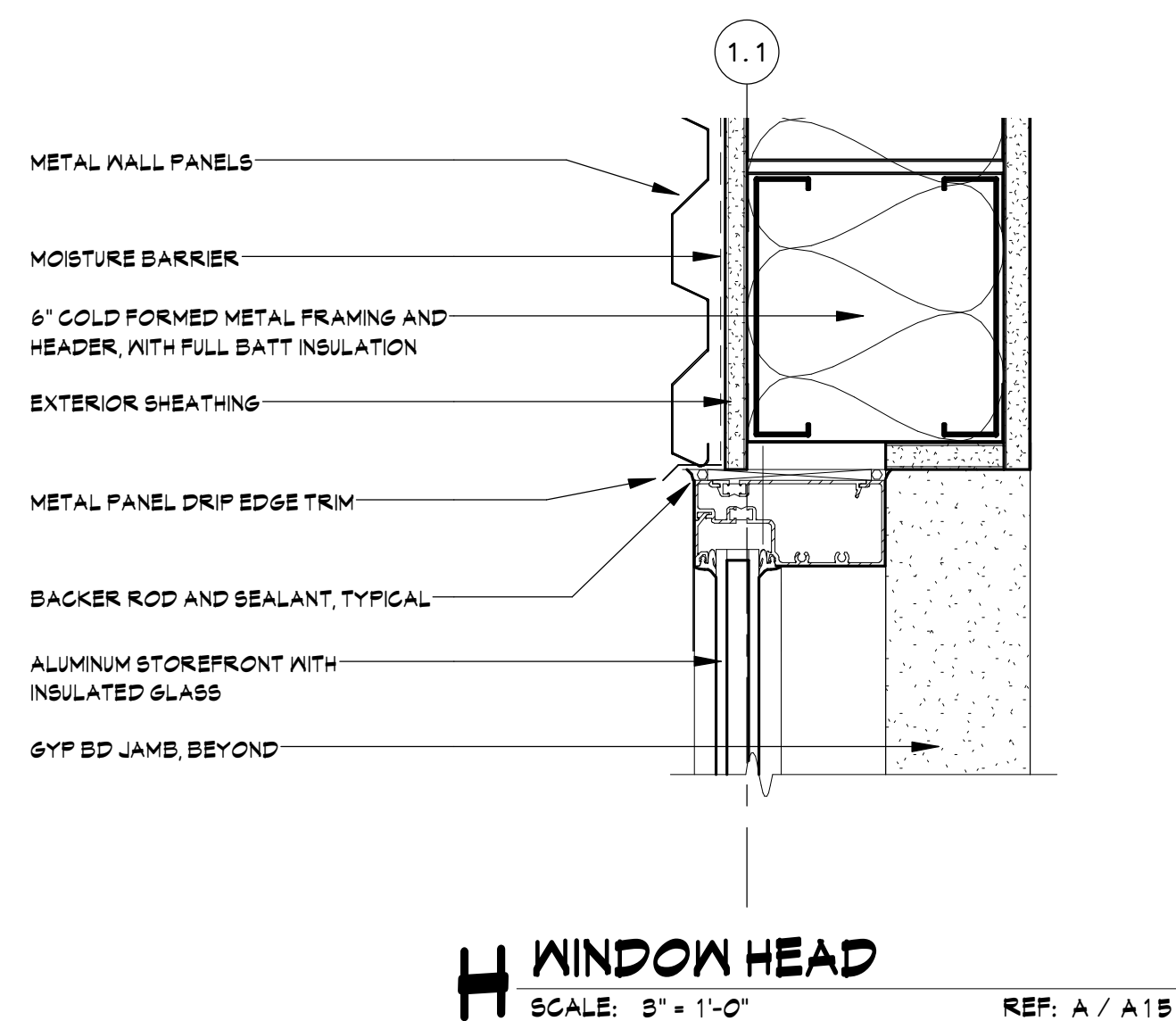
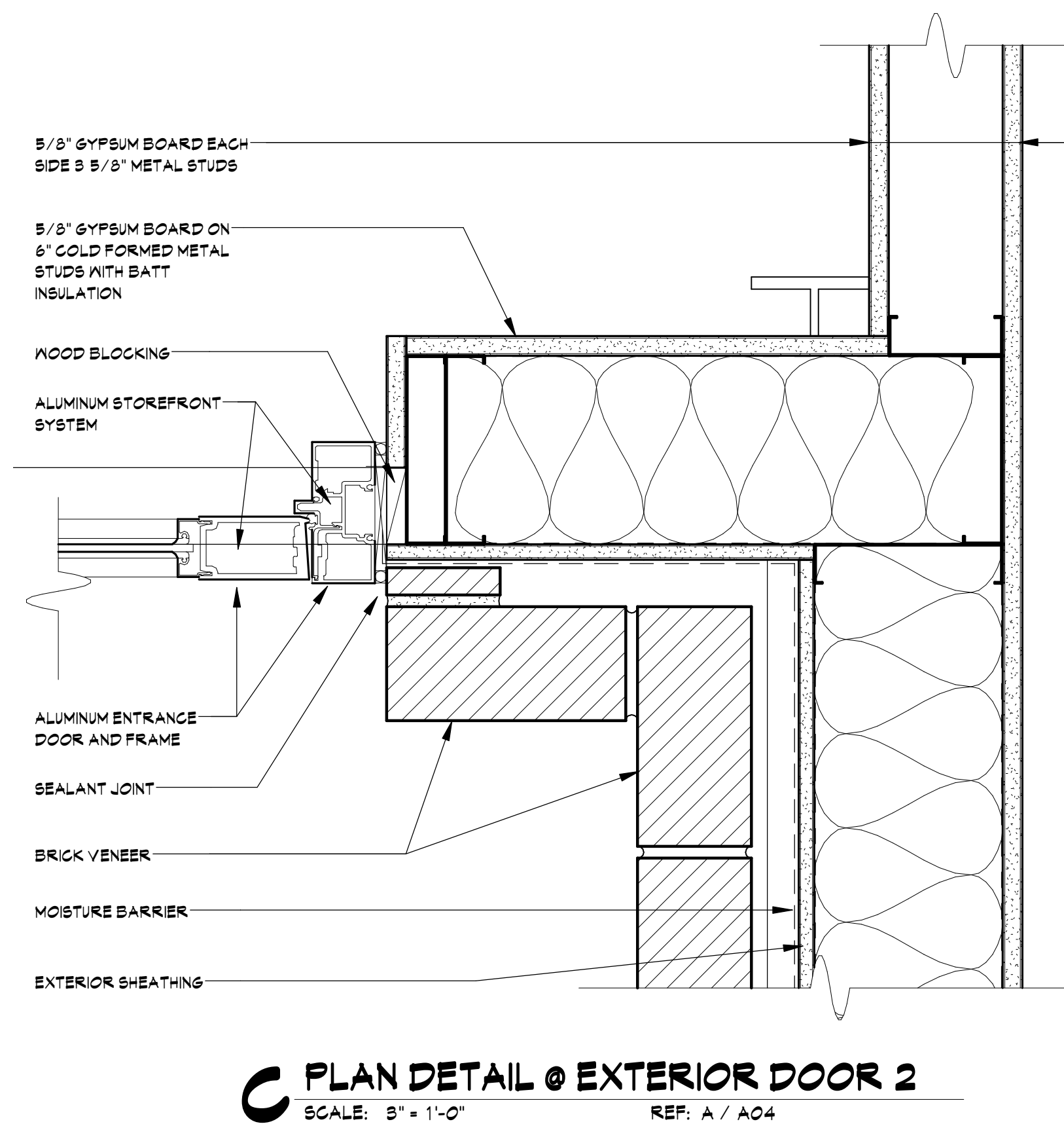
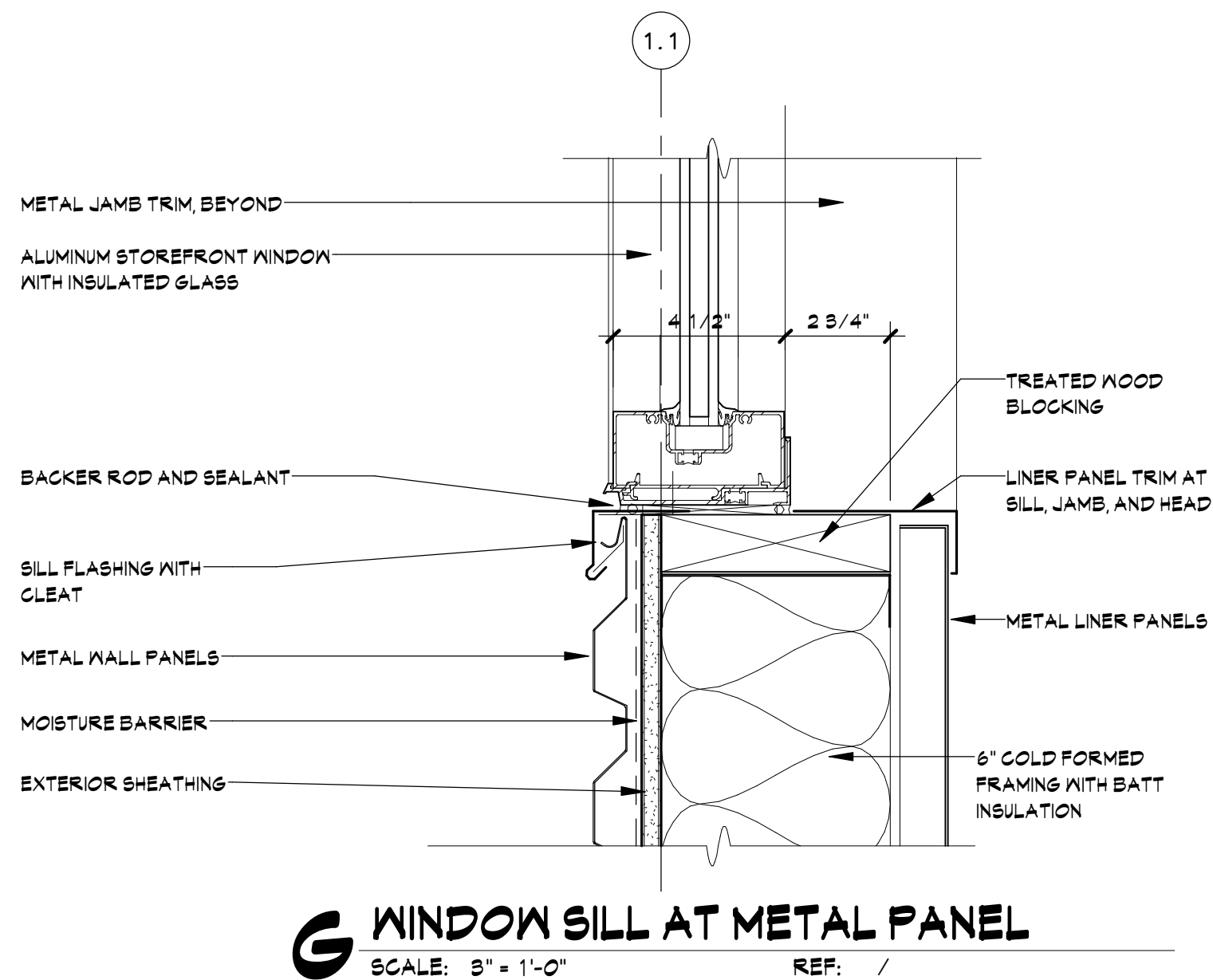
ISSUE DATE
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PROJECT NUMBER
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REVIEWED BY
DATE

TITLE
WALL SECTIONS

SHEET NUMBER
A 15



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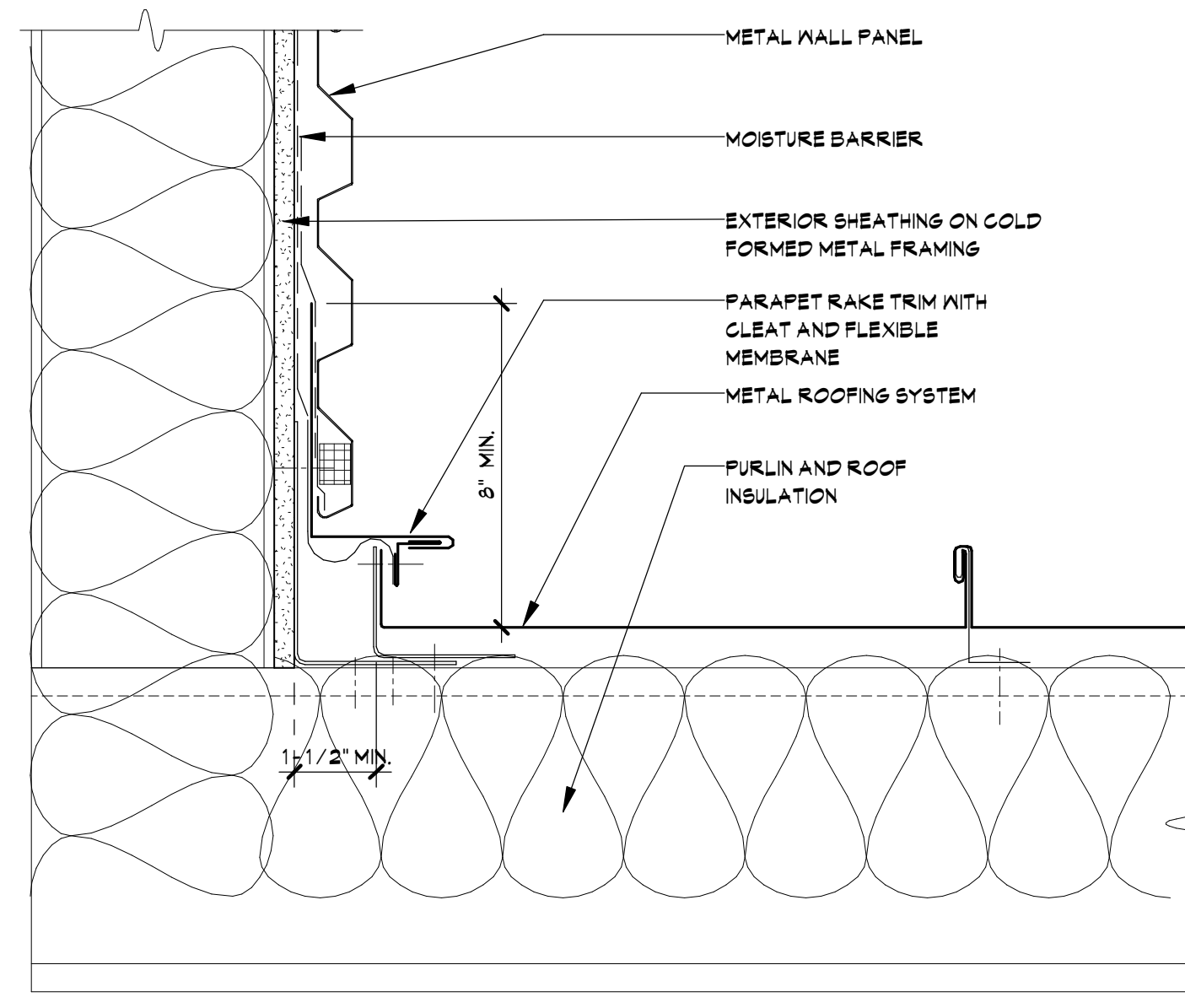
CITY OF SHAWNEE
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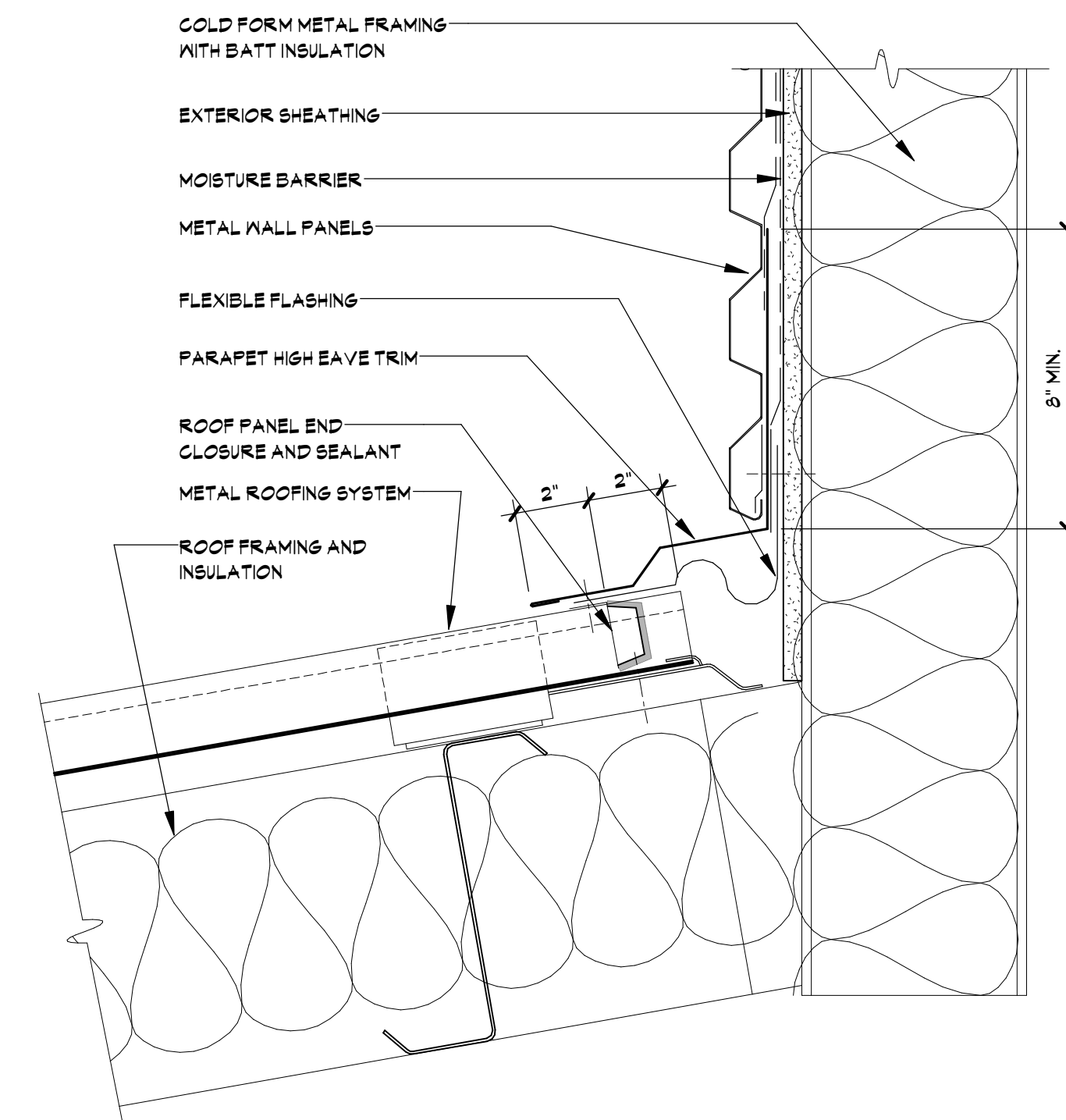
PROJECT NUMBER
1114-01

TITLE
**EXTERIOR
DETAILS**

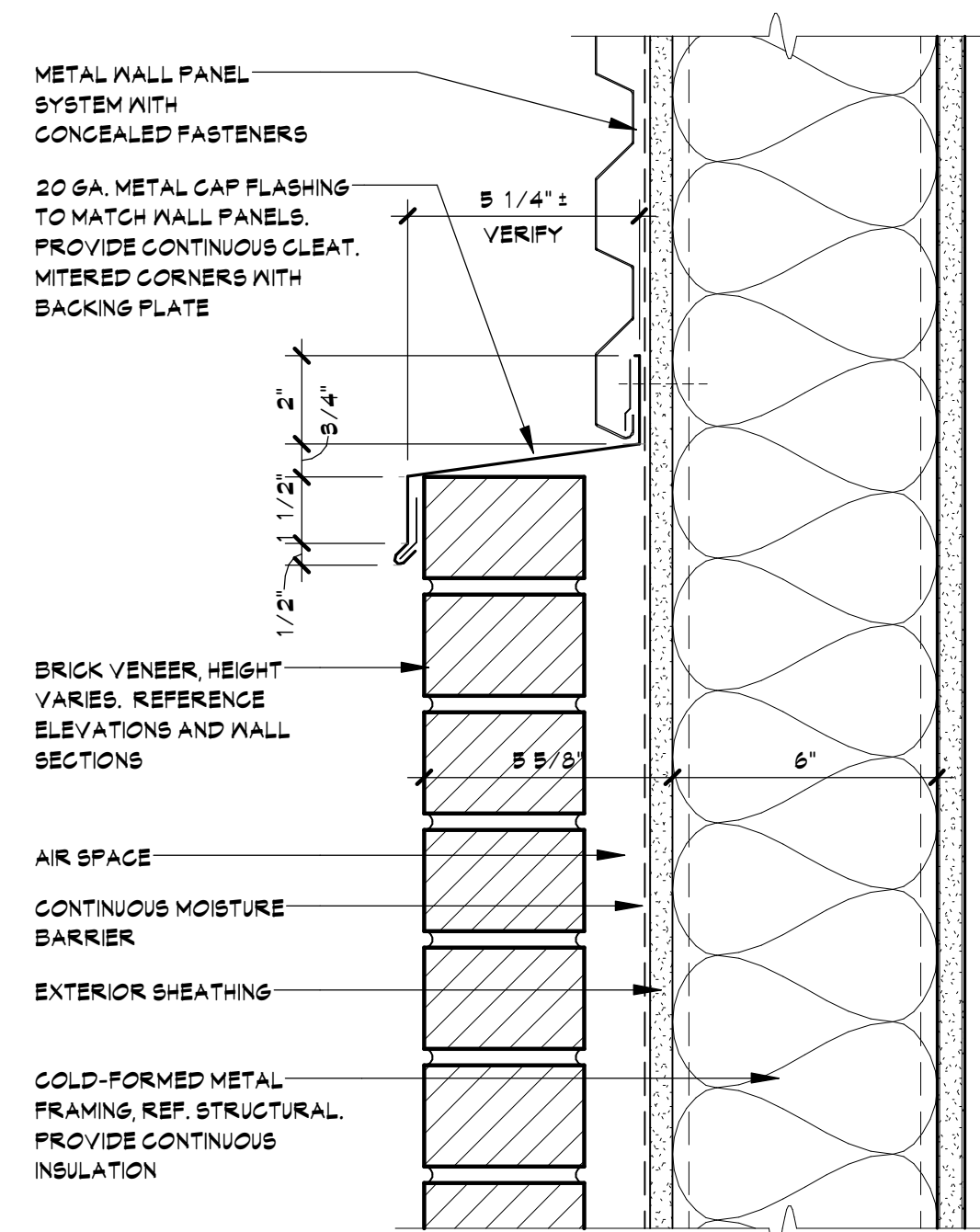
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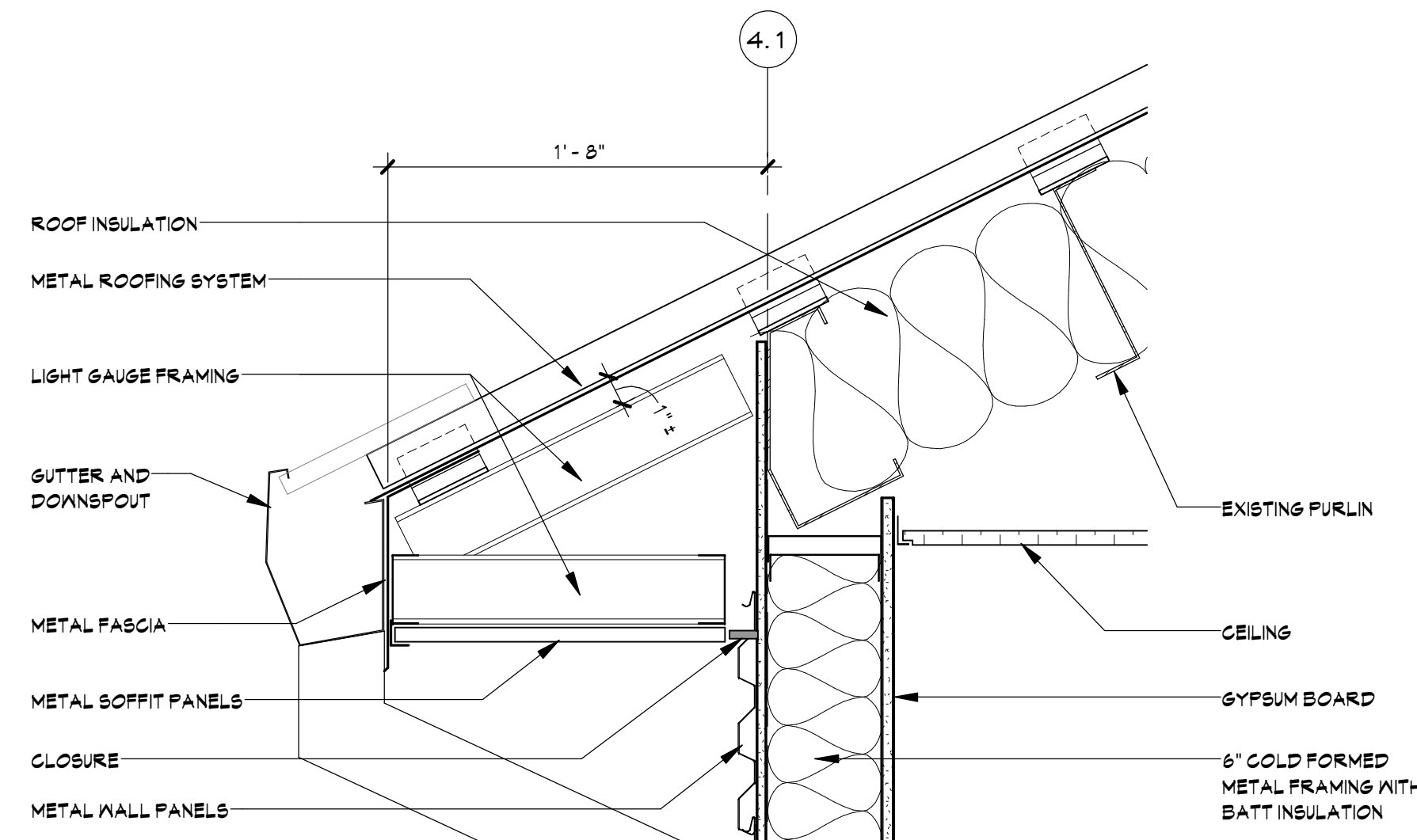
E RAKE TRIM AT WALL
SCALE: 3\" = 1'-0\" REF: A / A03



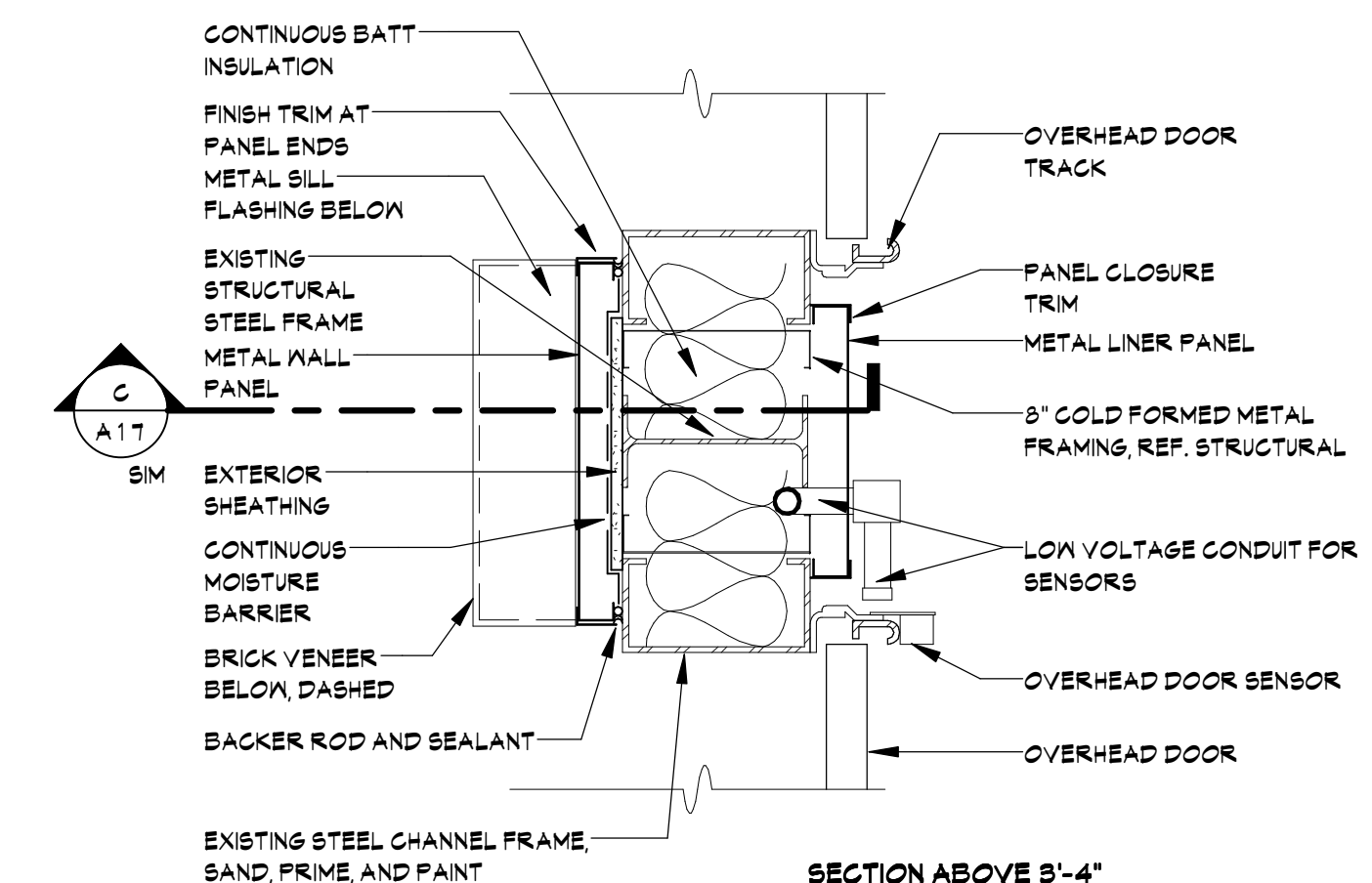
D HIGH EAVE TRIM
SCALE: 3\" = 1'-0\" REF: A / A03



C WALL DETAIL
SCALE: 3\" = 1'-0\" REF: A / A14



B SOFFIT DETAIL
SCALE: 1 1/2\" = 1'-0\" REF: C / A12



A OVERHEAD DOOR JAMB
SCALE: 1 1/2\" = 1'-0\" REF: A / A03



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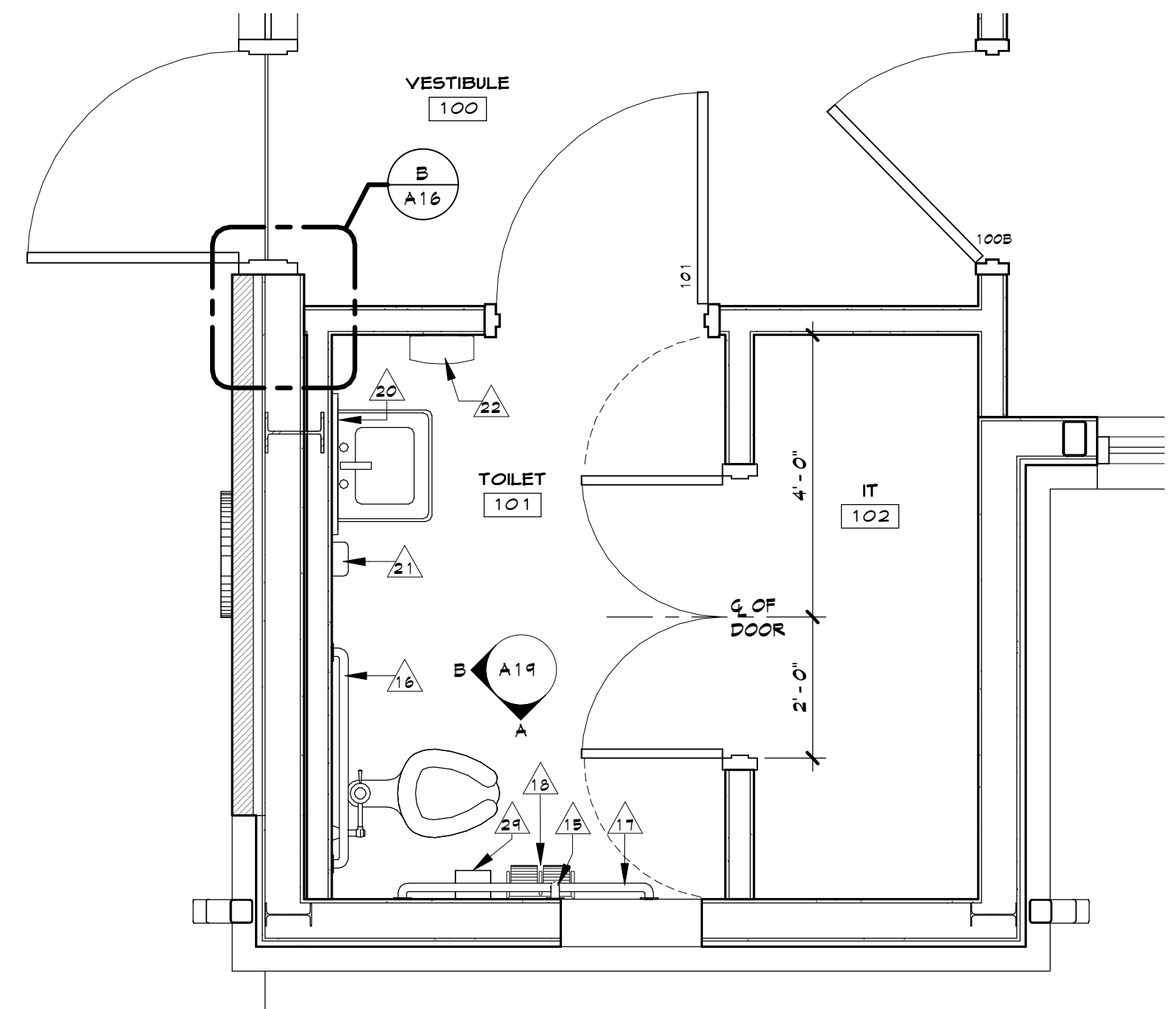
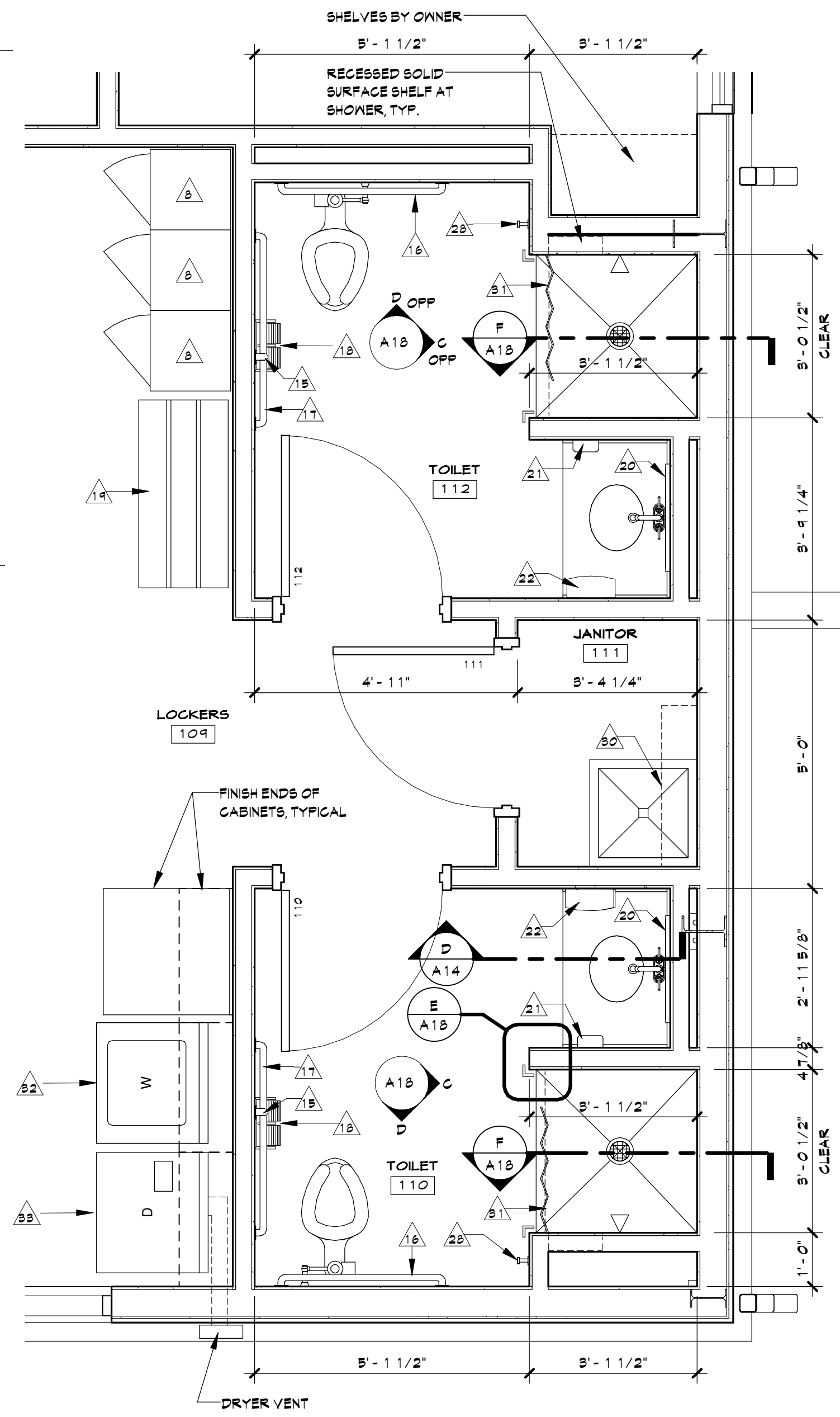
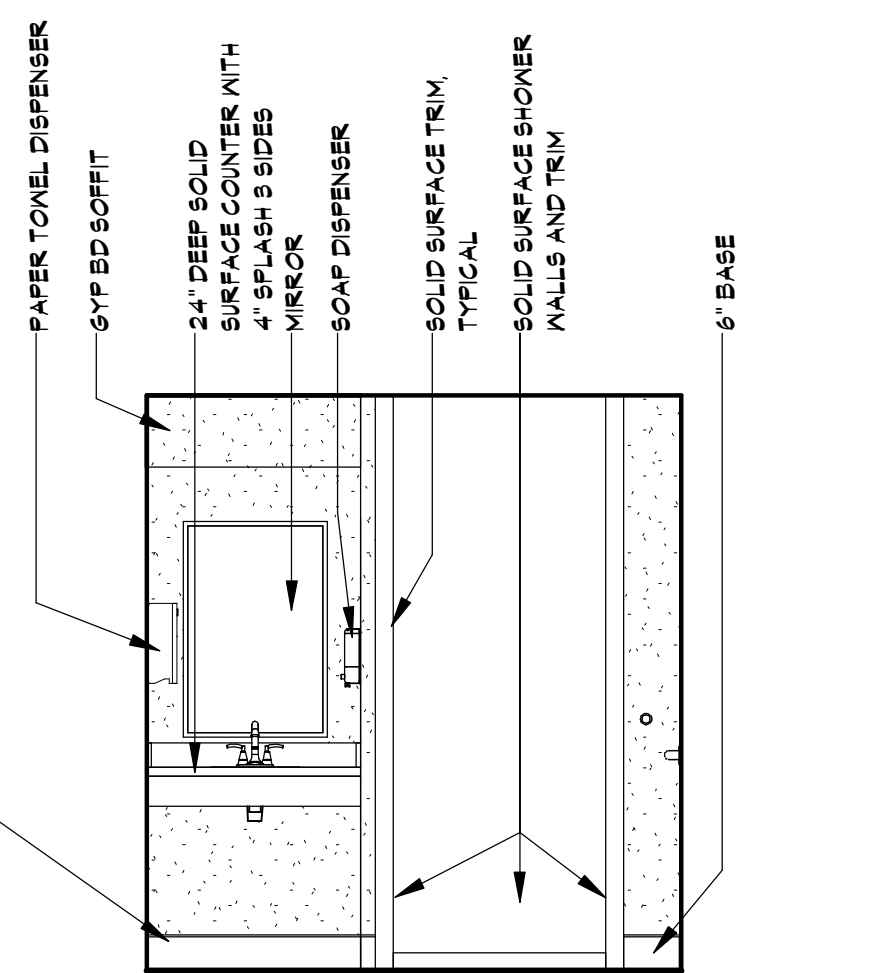
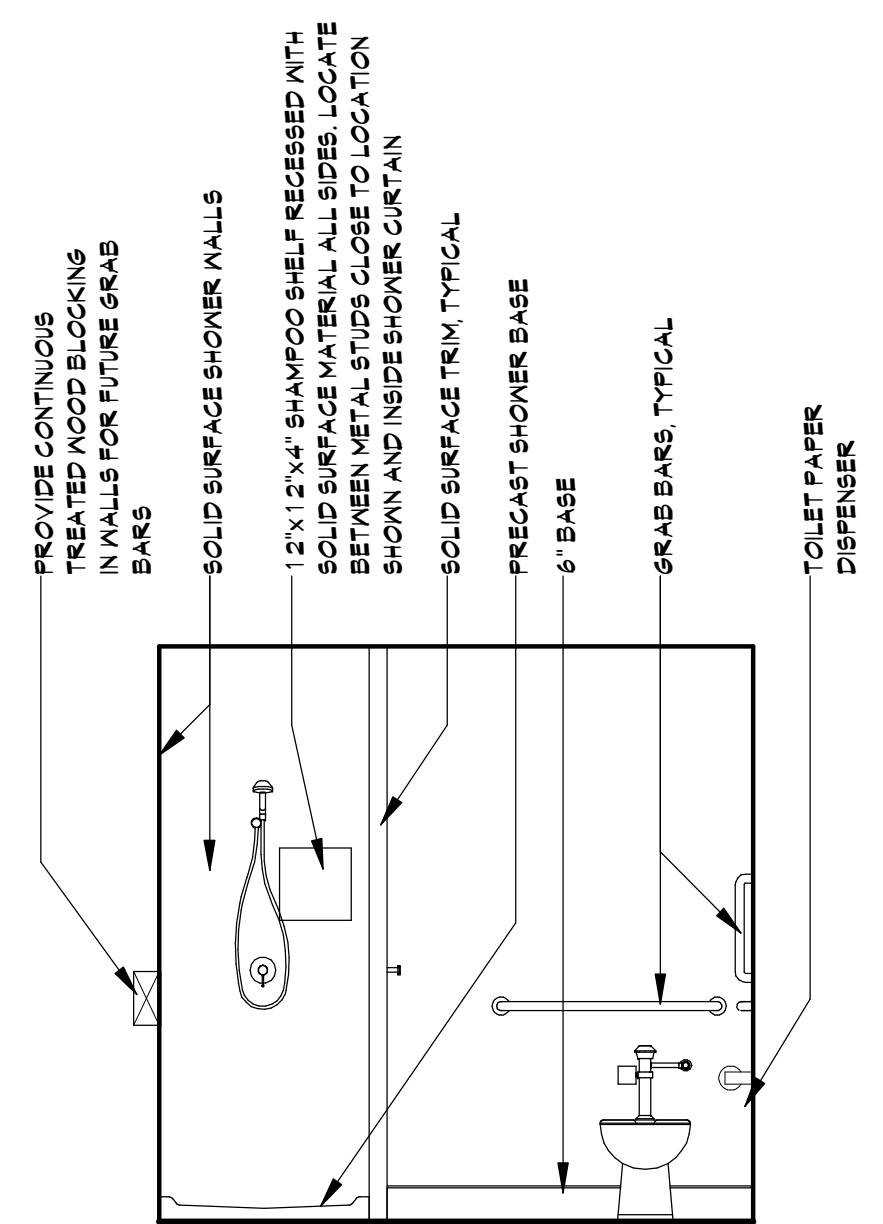
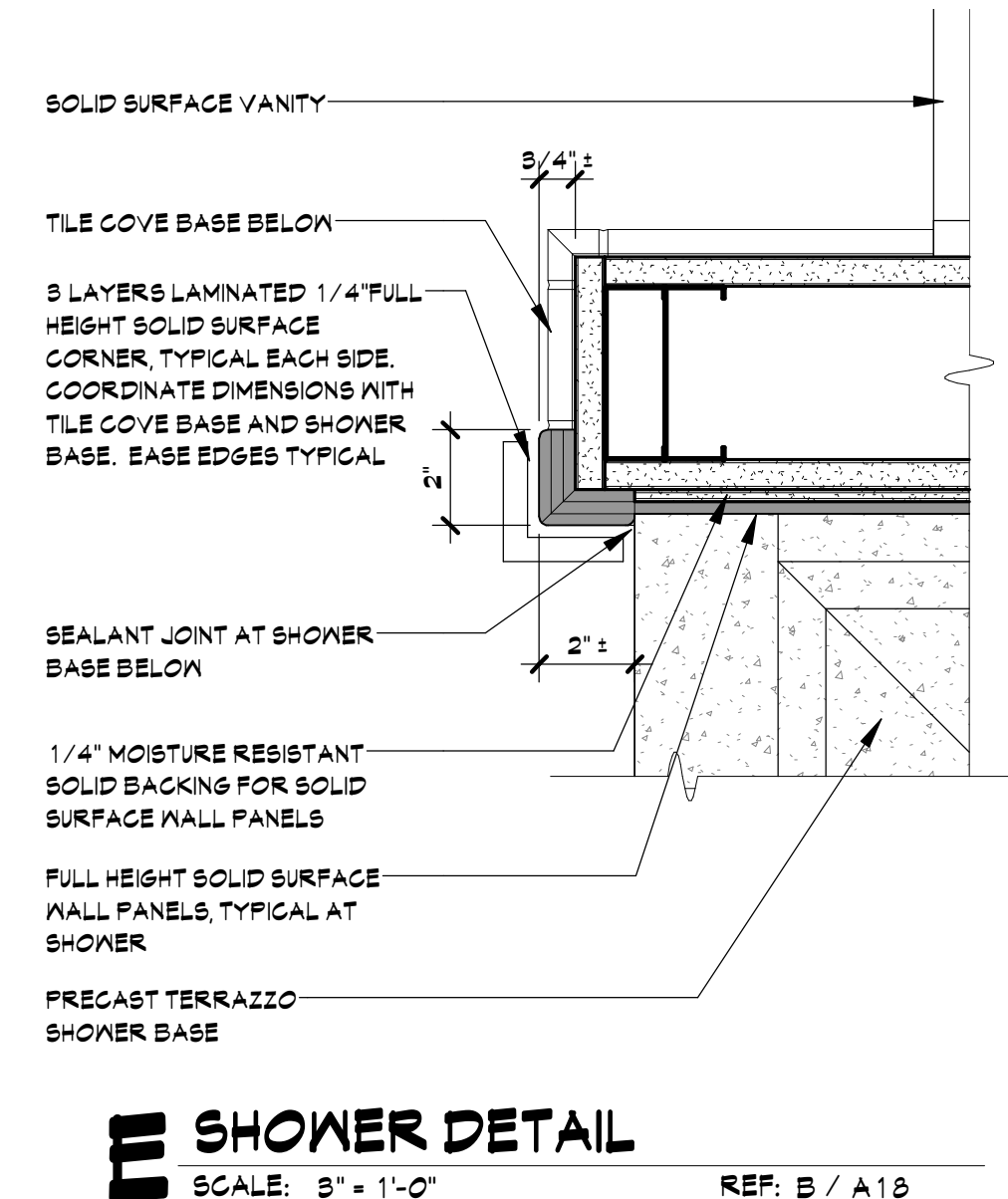
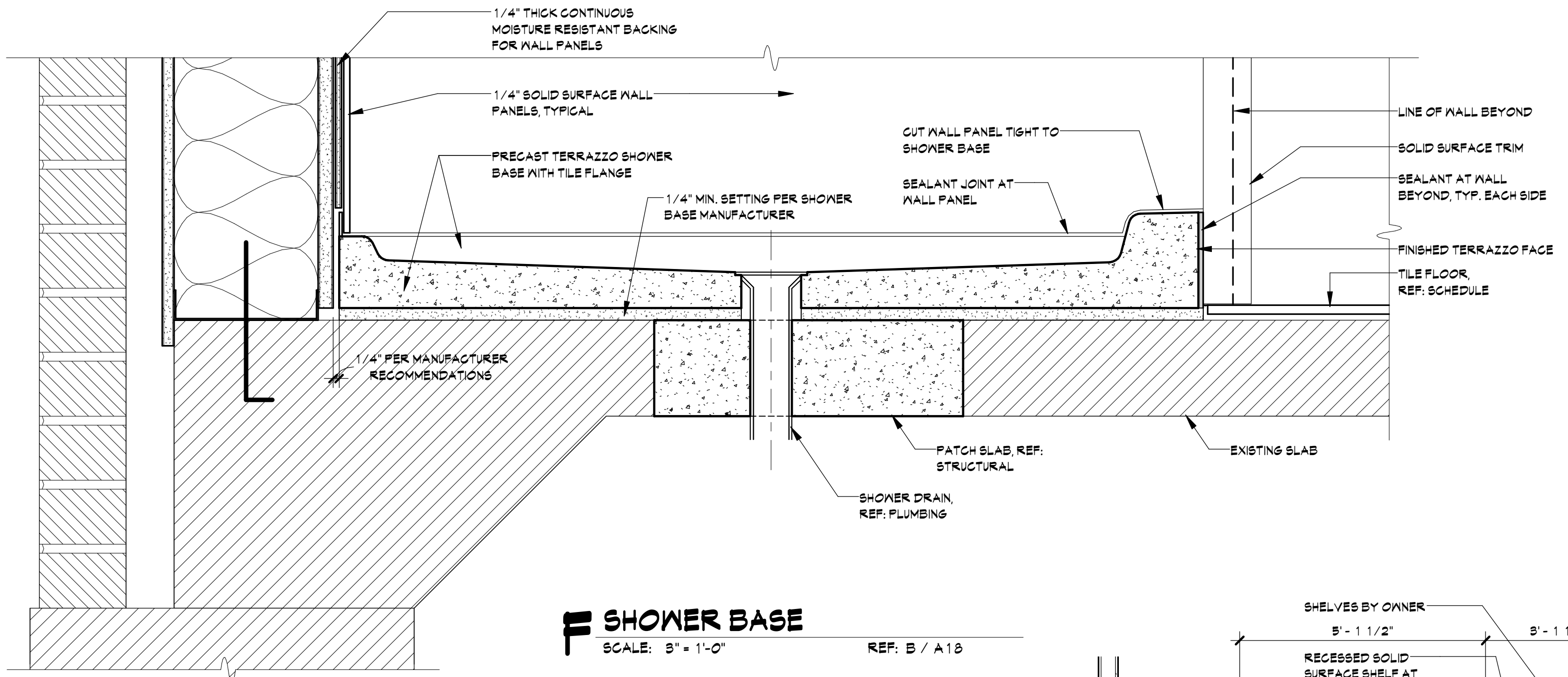
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TS

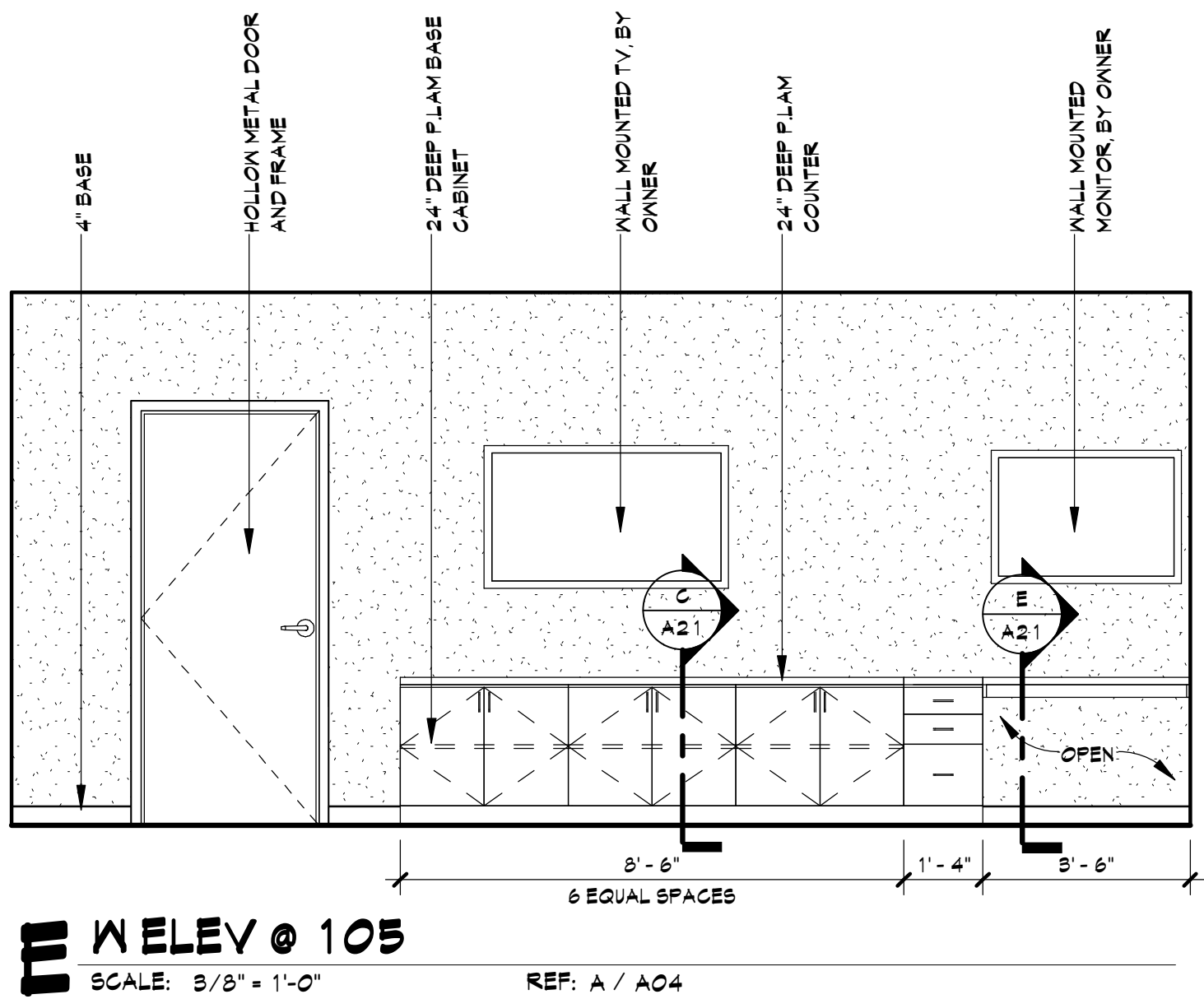
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TITLE
**ENLARGED FLOOR
PLANS AND
INTERIOR
ELEVATIONS**

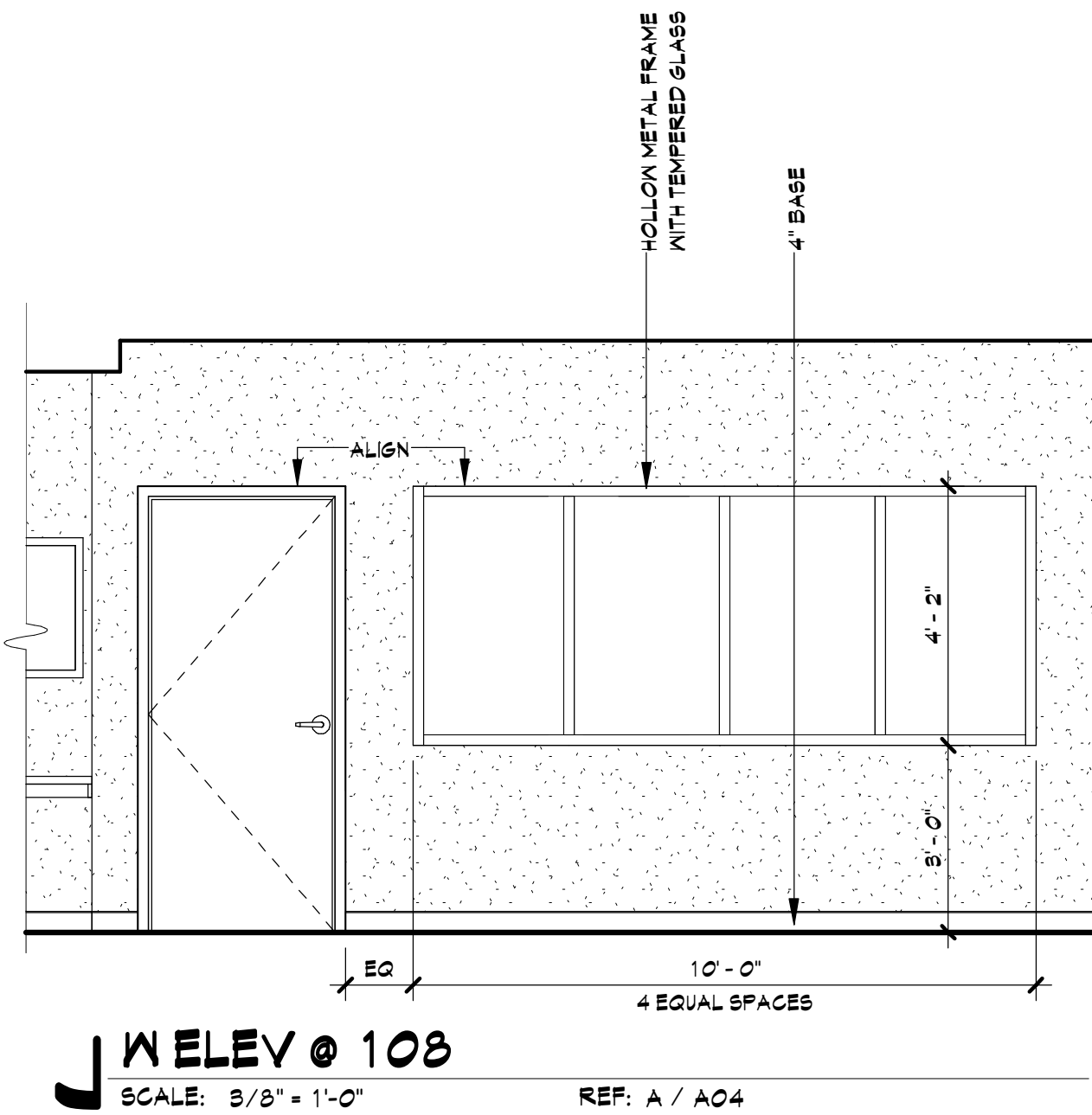
SHEET NUMBER
A18

SPECIALTIES LIST		
MARK	DESCRIPTION	COMMENTS
1	FLAT SCREEN TV/MONITOR	OWNER FURNISHED / OWNER INSTALLED
2	REFRIGERATOR	OWNER FURNISHED / OWNER INSTALLED
3	ICE MAKER	OWNER FURNISHED / CONTRACTOR INSTALLED
4	RANGE	OWNER FURNISHED / CONTRACTOR INSTALLED
6	MALL MOUNTED GEAR LOCKER	OWNER FURNISHED / CONTRACTOR INSTALLED
7	LINEN LOCKER	OWNER FURNISHED / OWNER INSTALLED
8	LOCKERS	OWNER FURNISHED / CONTRACTOR INSTALLED
9	SCALE	OWNER FURNISHED / OWNER INSTALLED
10	MALL MOUNTED MIRROR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
11	TREADMILL	OWNER FURNISHED / OWNER INSTALLED
12	LEG PRESS	OWNER FURNISHED / OWNER INSTALLED
13	WEIGHT RACK	OWNER FURNISHED / OWNER INSTALLED
14	STAIRMASTER	OWNER FURNISHED / OWNER INSTALLED
15	18" VERTICAL GRAB BAR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
16	36" GRAB BAR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
17	42" GRAB BAR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
18	DOUBLE ROLL TOILET TISSUE DISP	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
19	BENCH	OWNER FURNISHED / OWNER INSTALLED
20	MIRROR	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
21	SOAP DISPENSER	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
22	PAPER TOWEL DISPENSER	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
24	WASHER - EXTRACTOR	OWNER FURNISHED / OWNER INSTALLED
25	DISHWASHER	OWNER FURNISHED / CONTRACTOR INSTALLED
26	TURN OUT GEAR DRYING RACK	OWNER FURNISHED / OWNER INSTALLED
27	SCBA REFILL STATION	OWNER FURNISHED / OWNER INSTALLED
28	COAT HOOK	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
29	FEMININE PRODUCT DISPOSAL	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
30	UTILITY SHELF WITH MOP HOOKS	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
31	SHOWER ROD AND CURTAIN	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
32	CLOTHES WASHER	OWNER FURNISHED / CONTRACTOR INSTALLED
33	CLOTHES DRYER	OWNER FURNISHED / CONTRACTOR INSTALLED

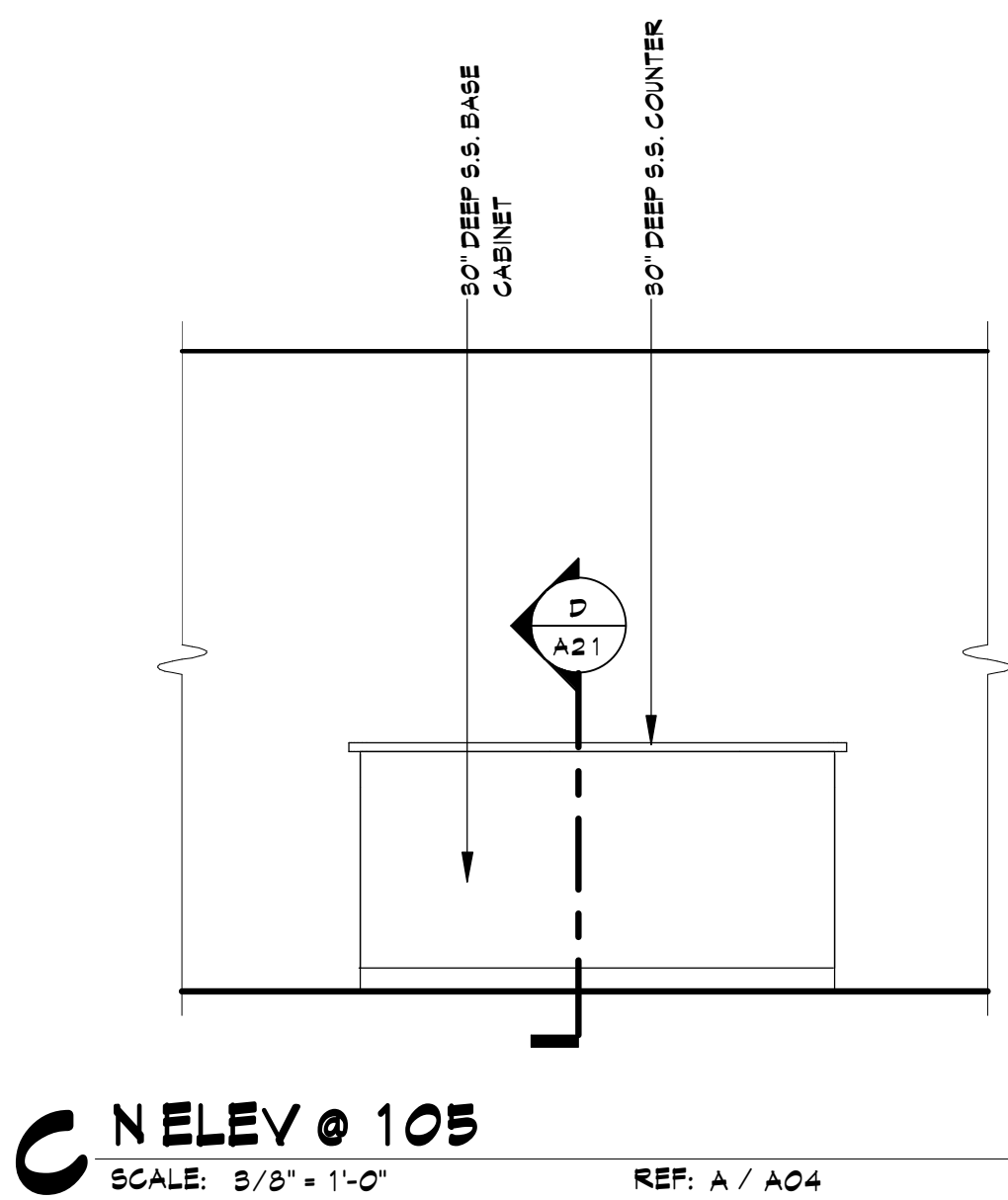




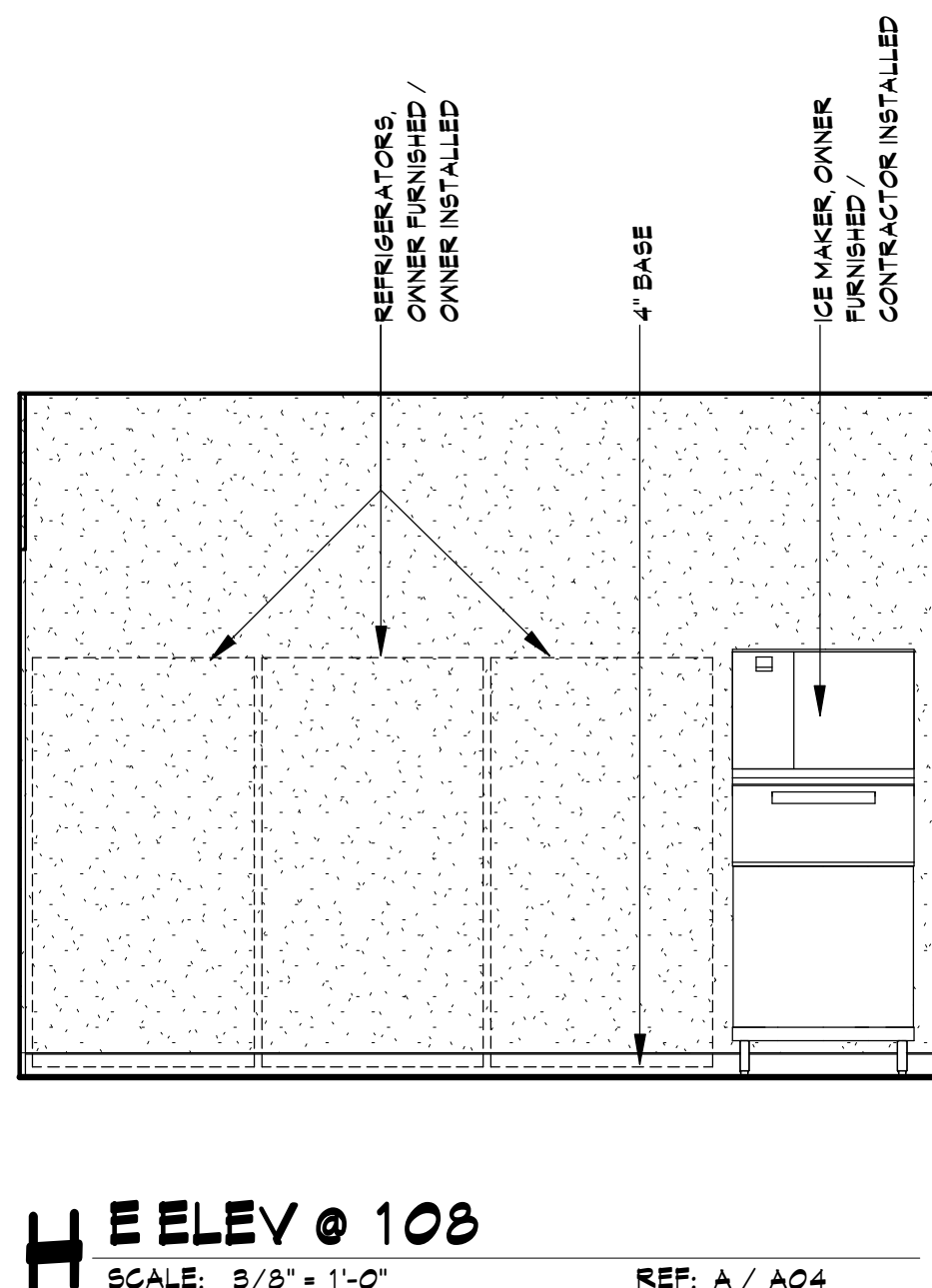
M ELEV @ 105
SCALE: 3/8" = 1'-0" REF: A / A04



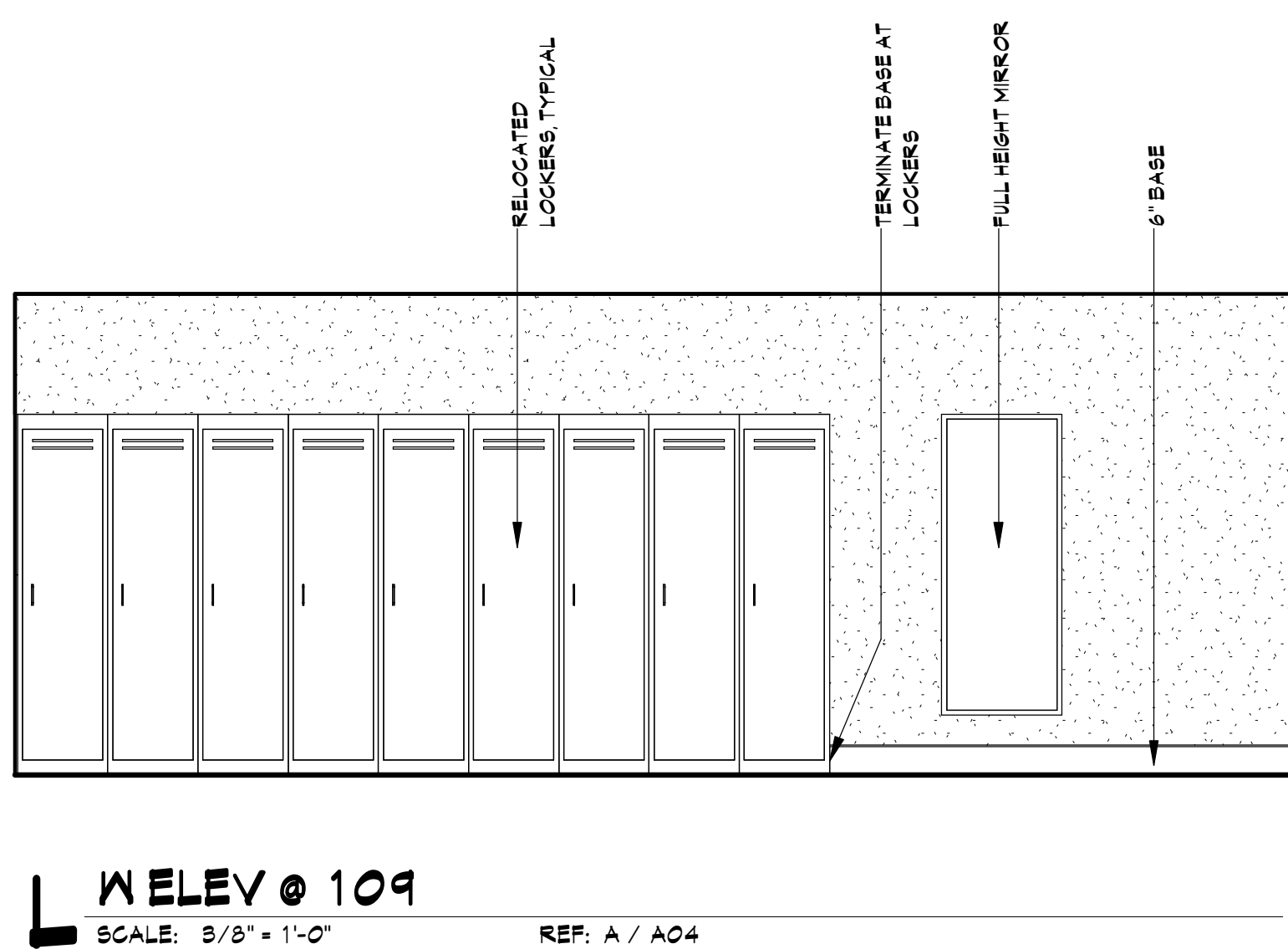
N ELEV @ 108
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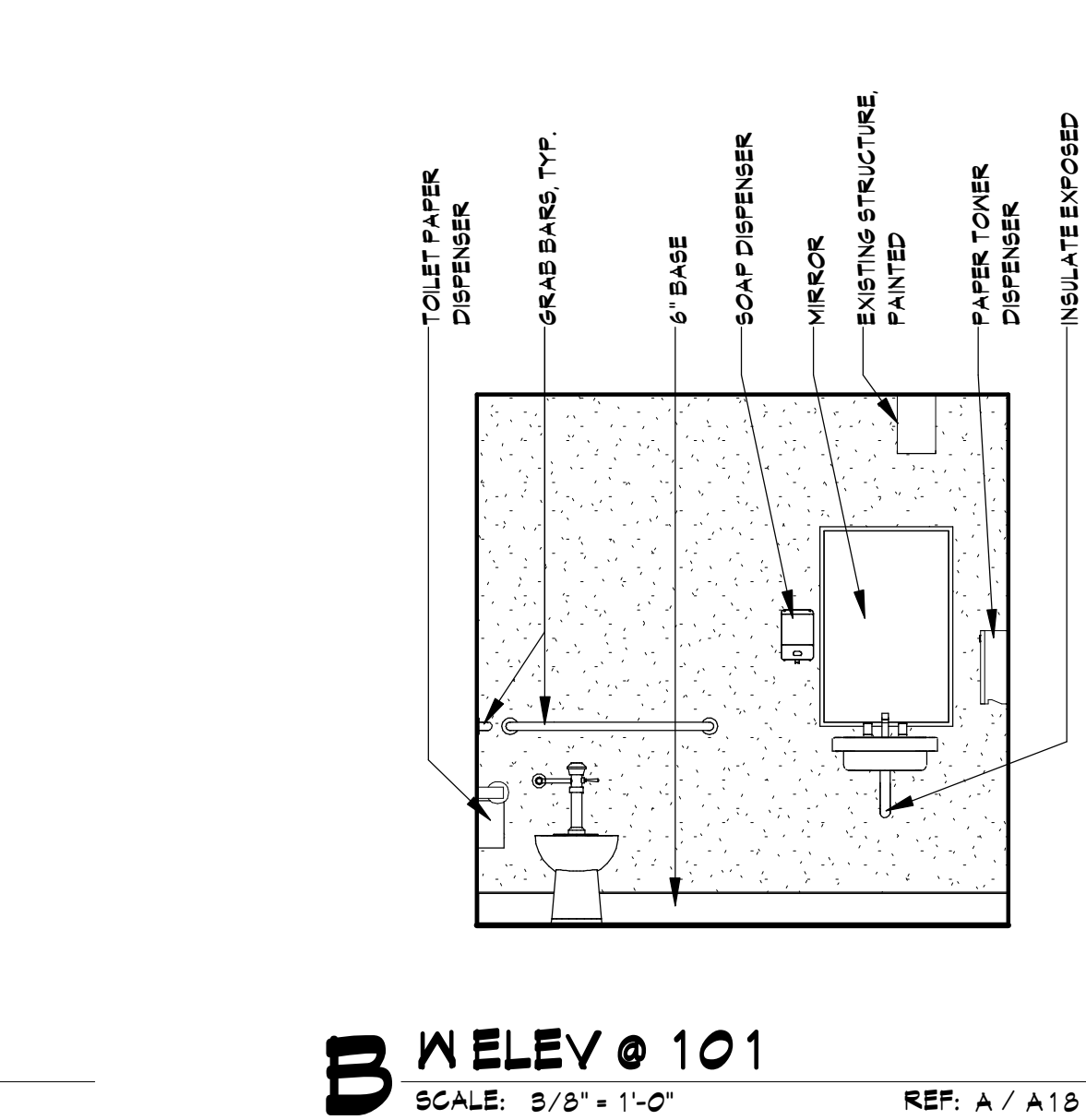
C ELEV @ 105
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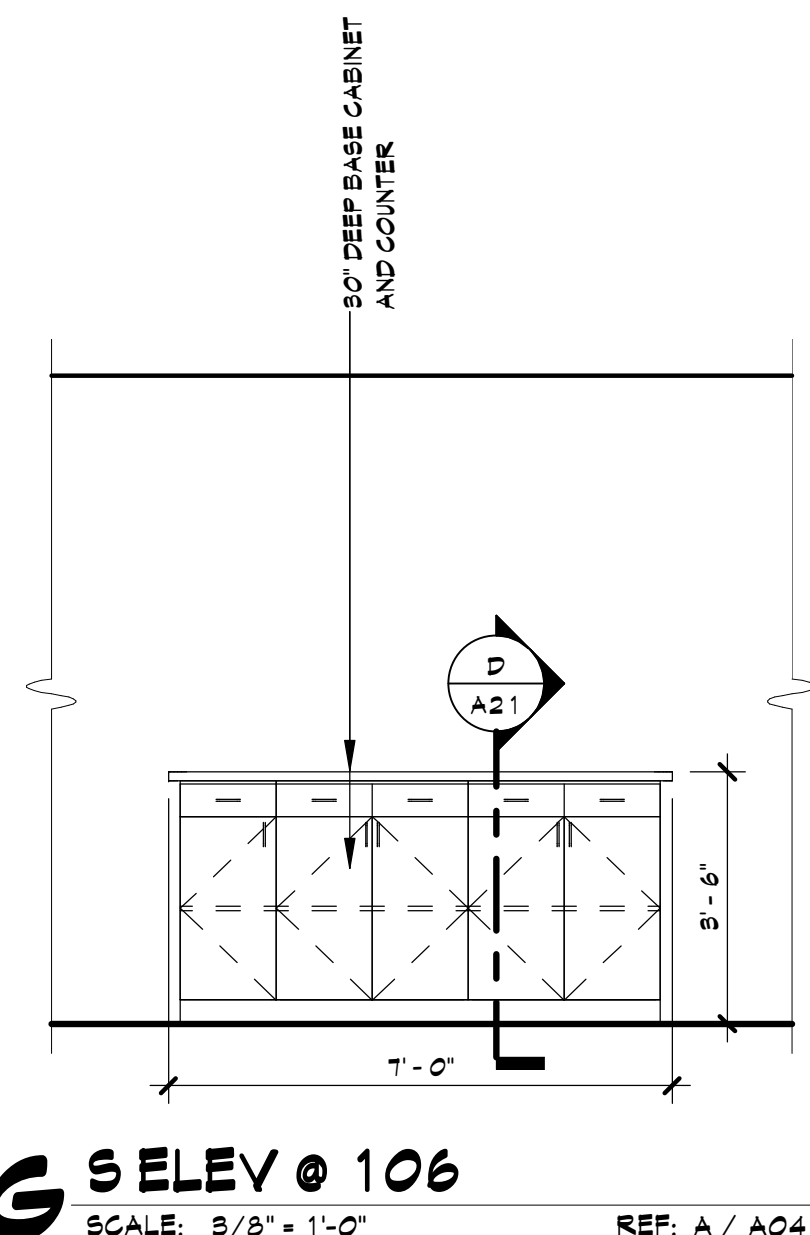
H ELEV @ 108
SCALE: 3/8" = 1'-0" REF: A / A04



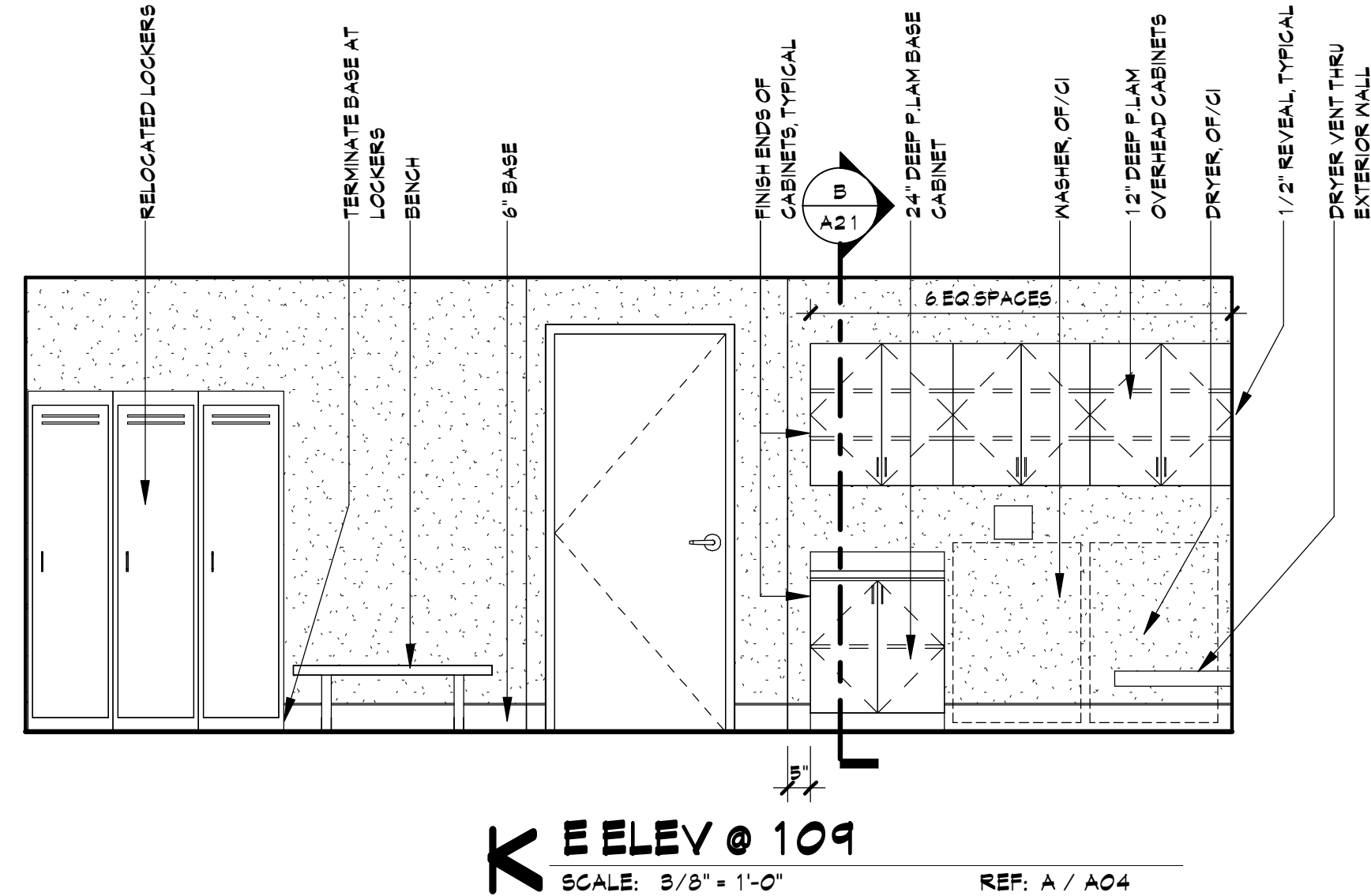
L ELEV @ 109
SCALE: 3/8" = 1'-0" REF: A / A04



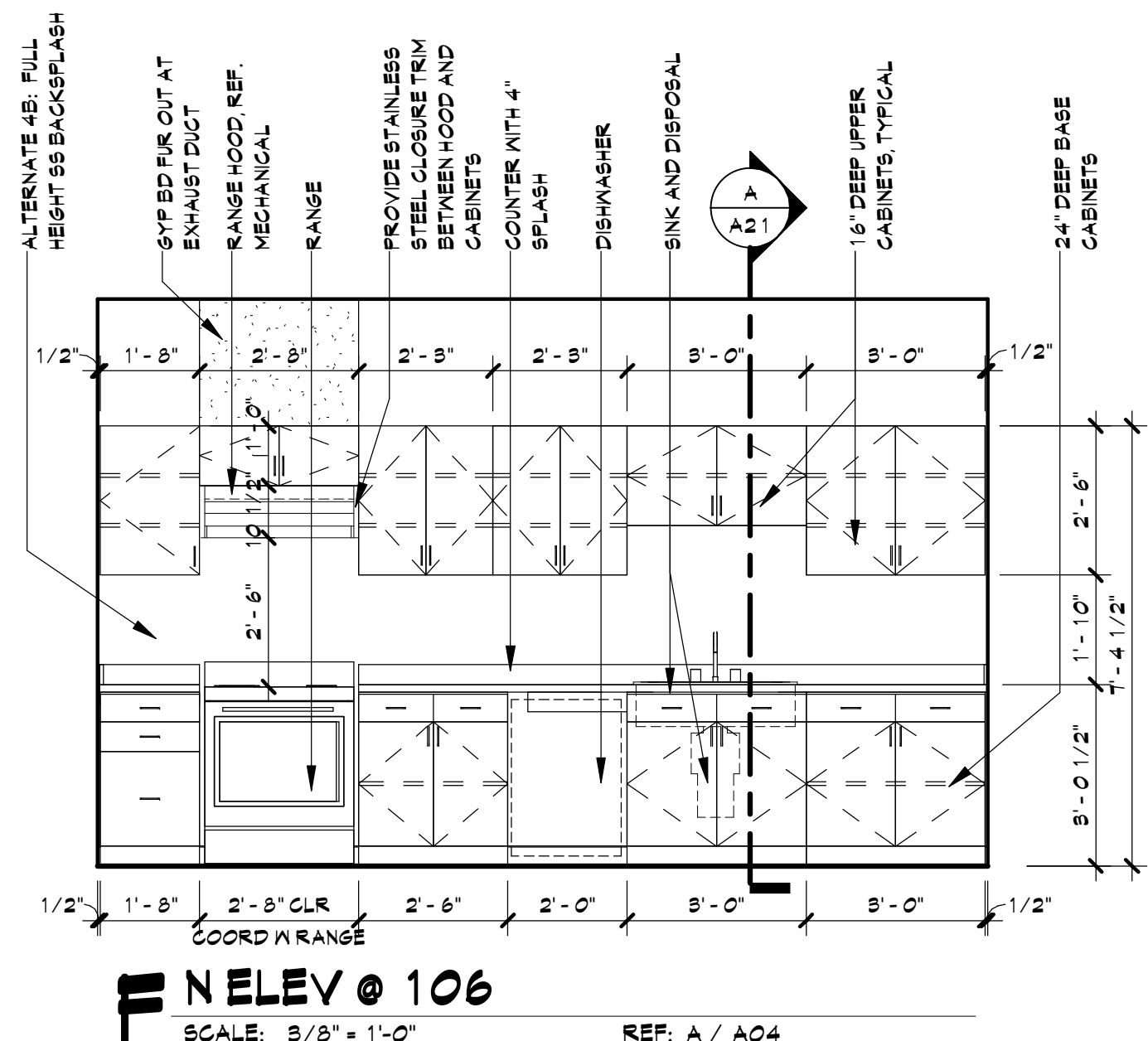
B ELEV @ 101
SCALE: 3/8" = 1'-0" REF: A / A18



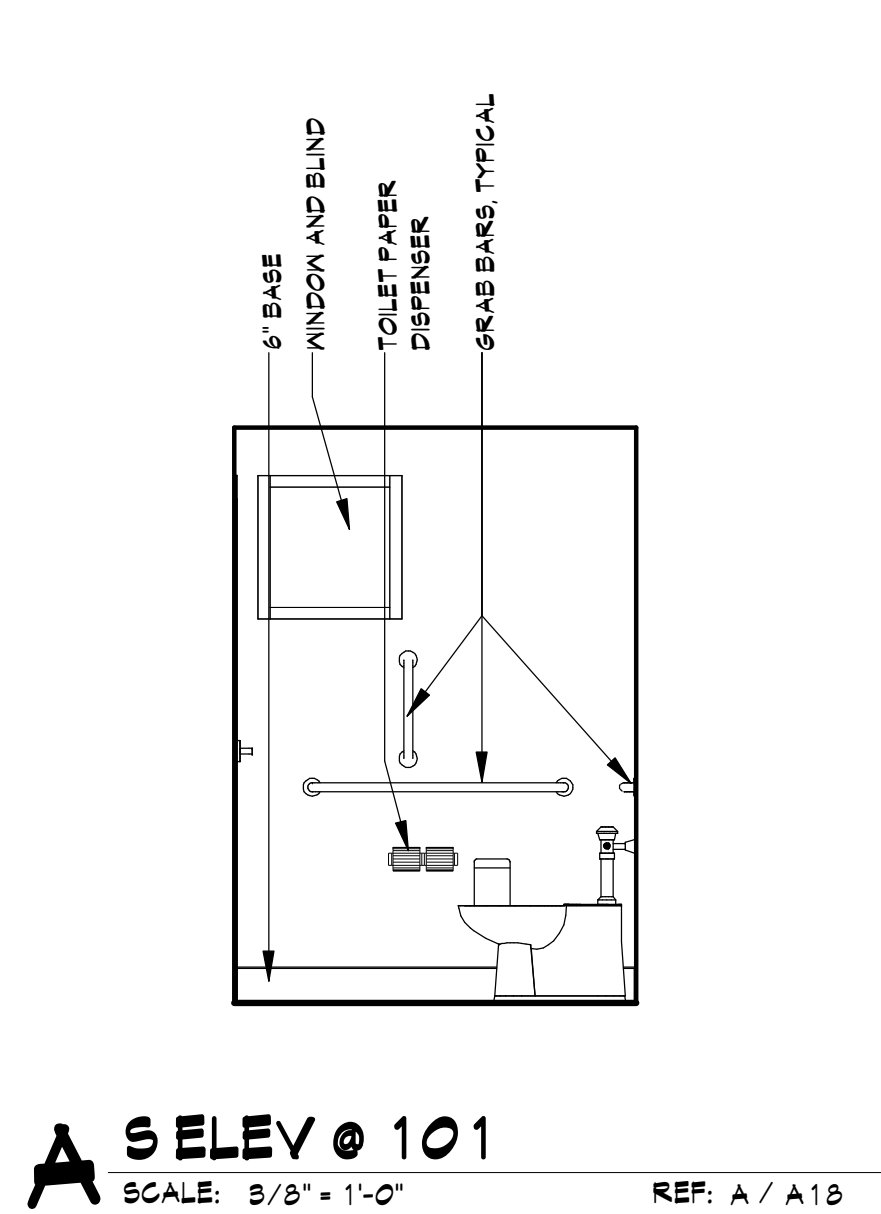
G ELEV @ 106
SCALE: 3/8" = 1'-0" REF: A / A04



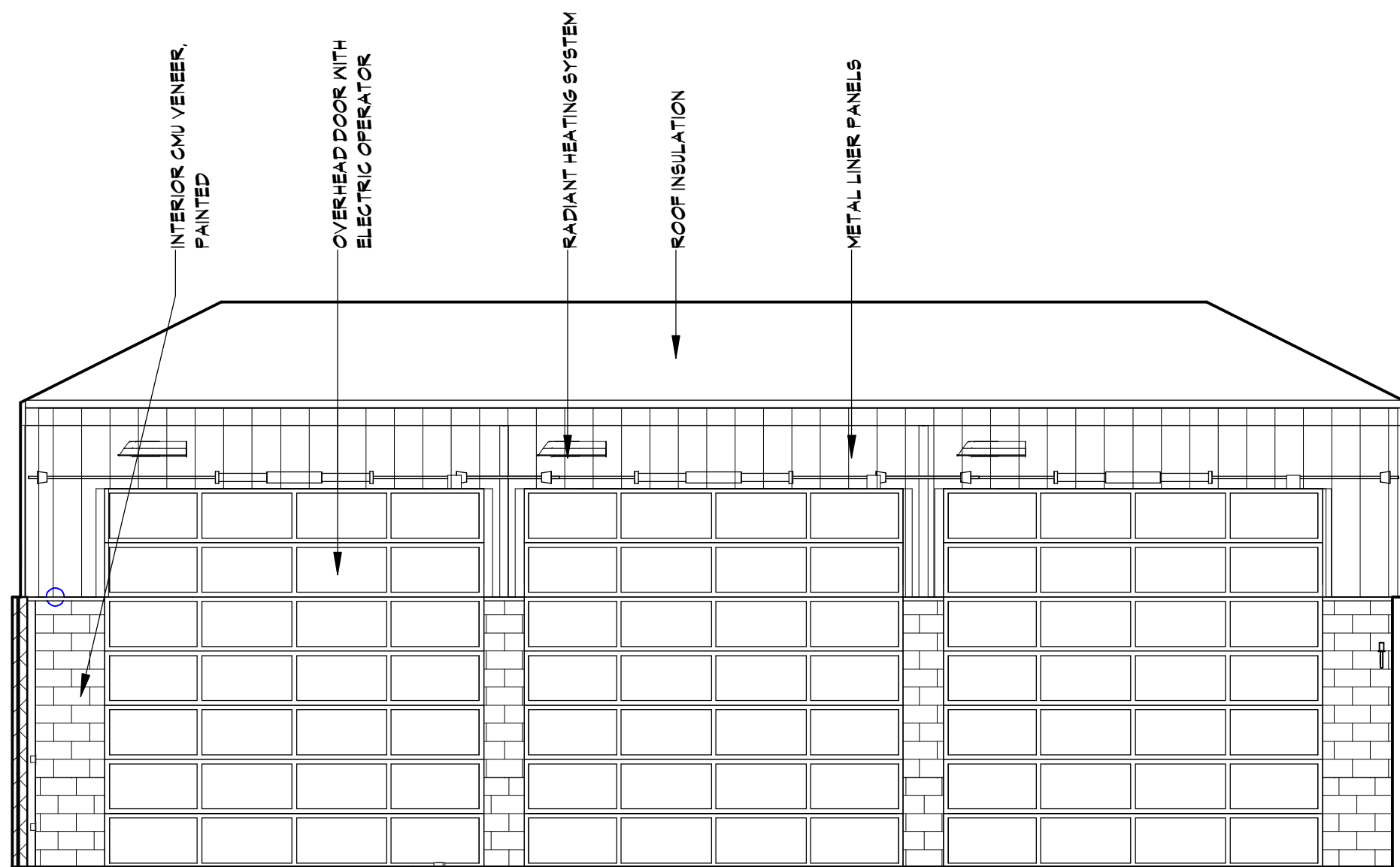
K ELEV @ 109
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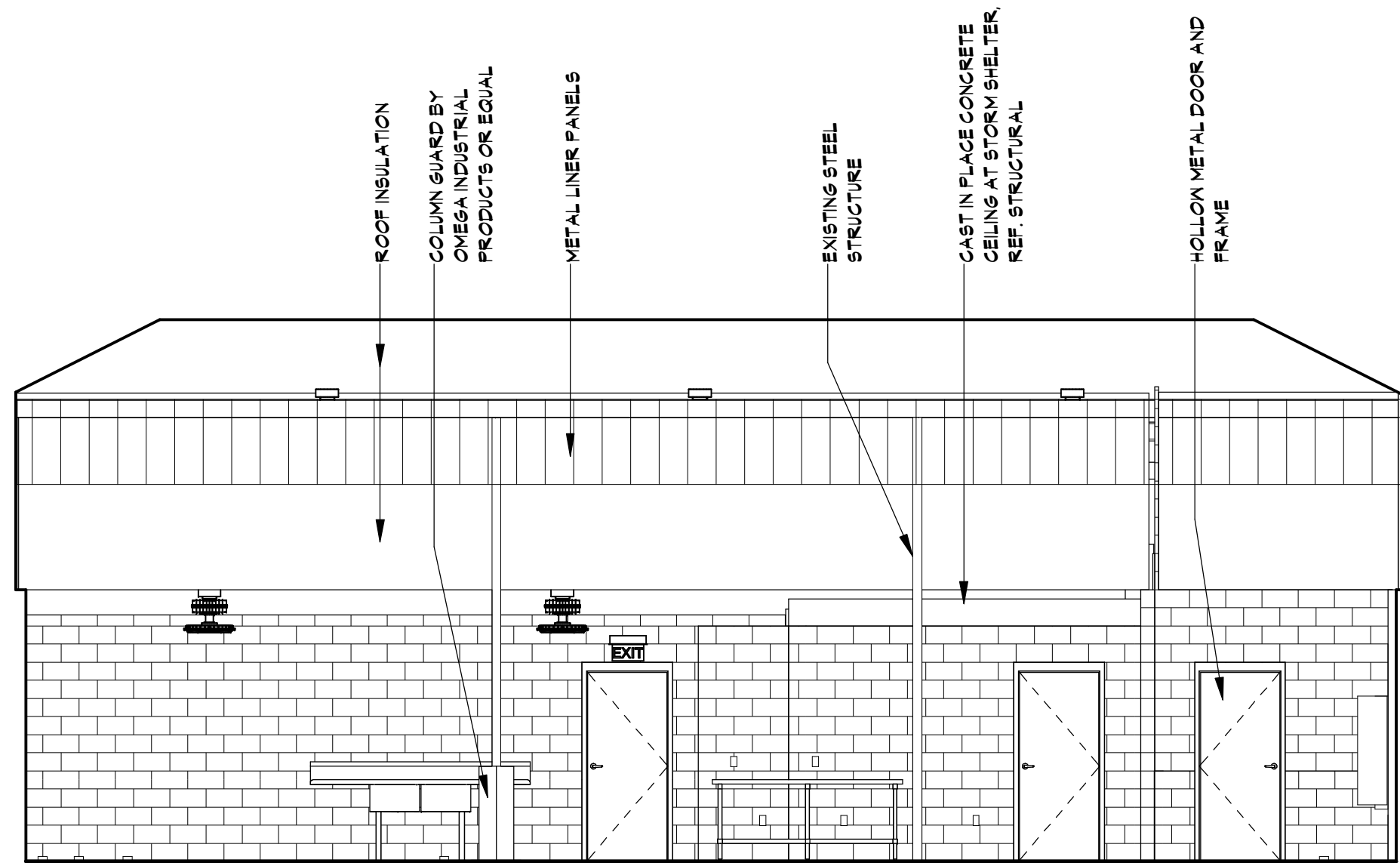
P ELEV @ 106
SCALE: 3/8" = 1'-0" REF: A / A04



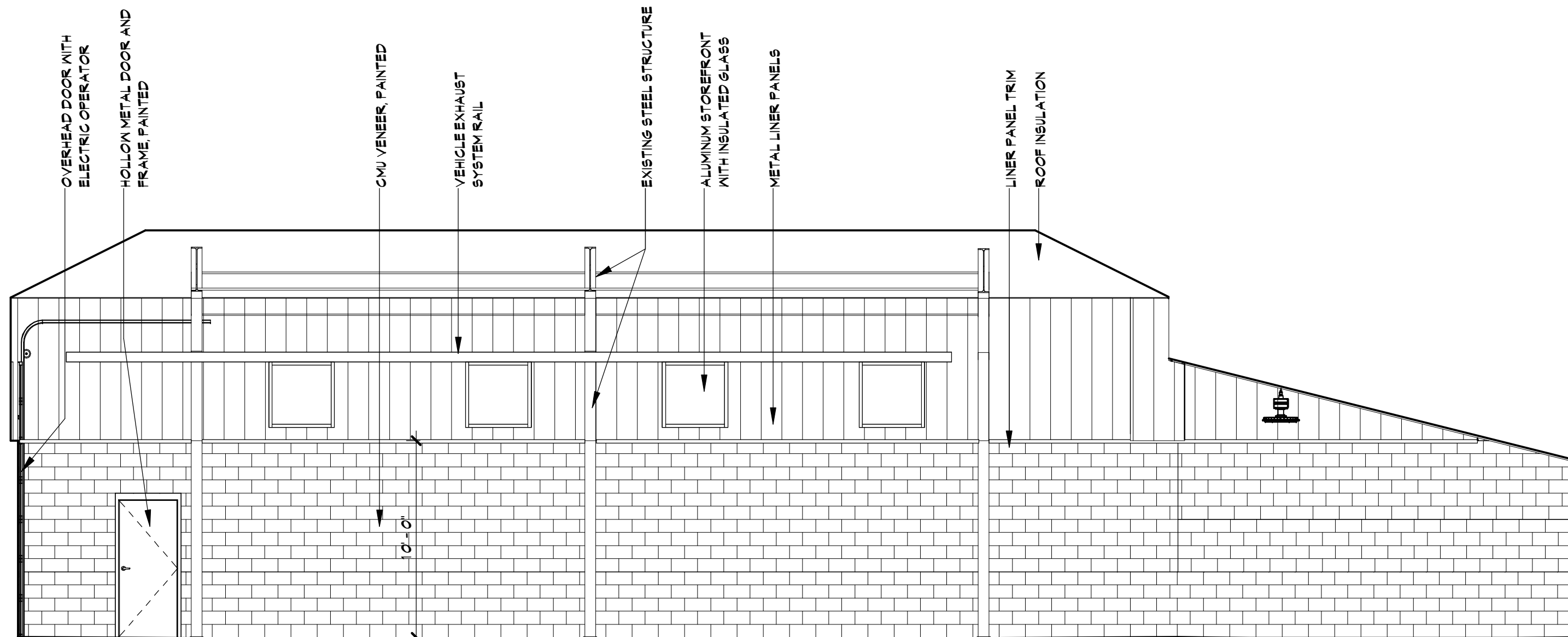
A ELEV @ 101
SCALE: 3/8" = 1'-0" REF: A / A18



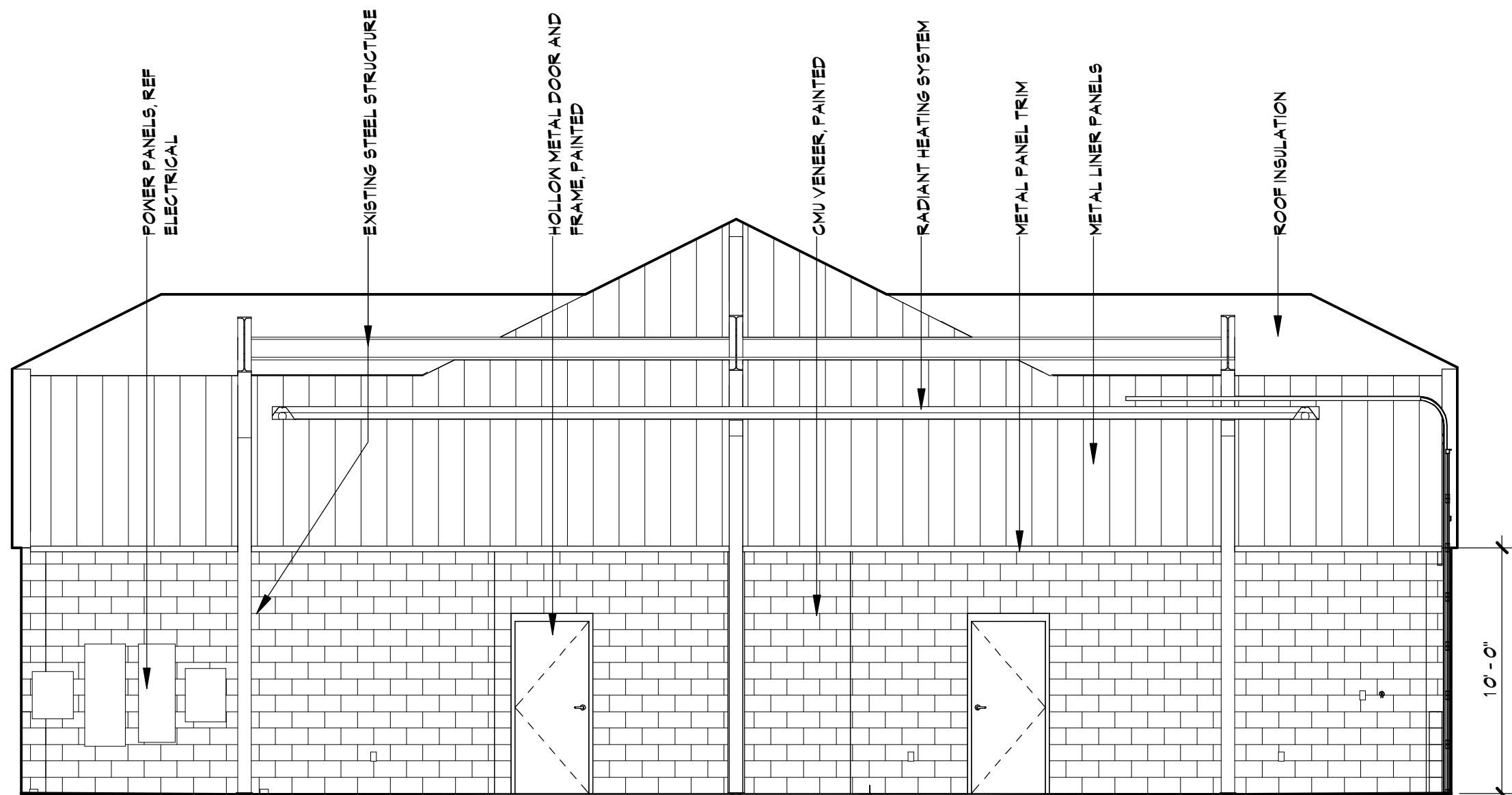
B WELEV @ 114
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REF: A / A04



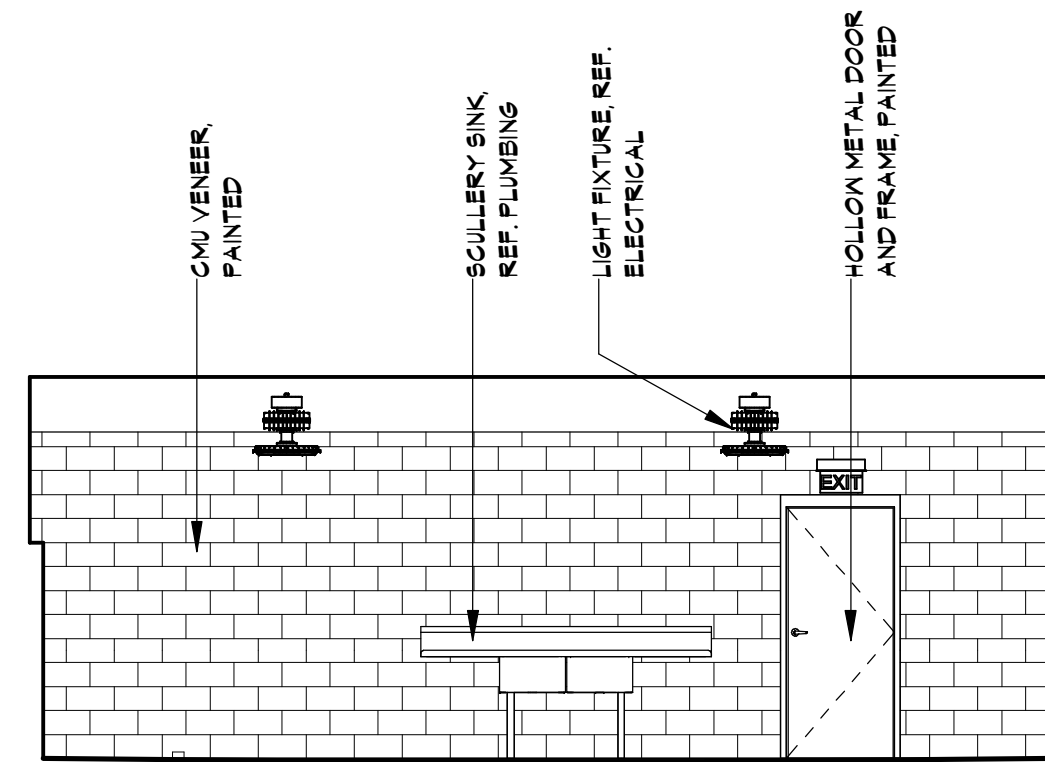
D EELEV @ 114
SCALE: 3/16" = 1'-0"
REF: A / A04



A NELEV @ 114
SCALE: 3/16" = 1'-0"
REF: A / A05



C SELEV @ 114
SCALE: 3/16" = 1'-0"
REF: A / A05



E EELEV @ 116
SCALE: 3/16" = 1'-0"
REF: A / A05

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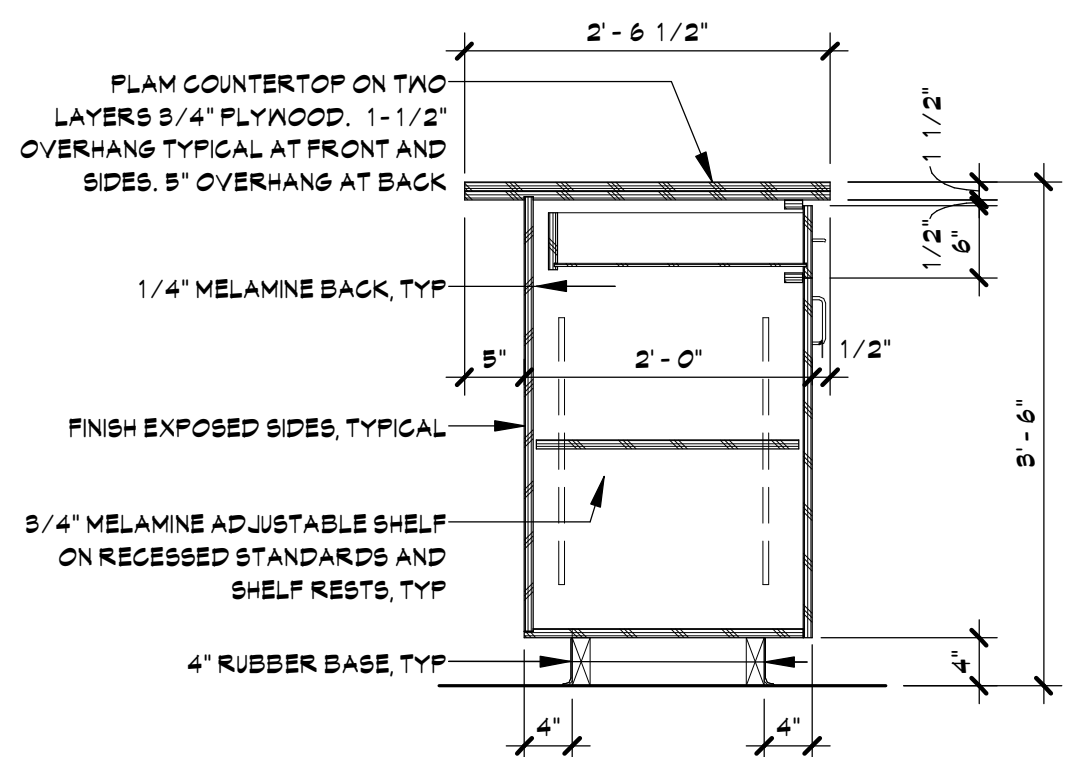
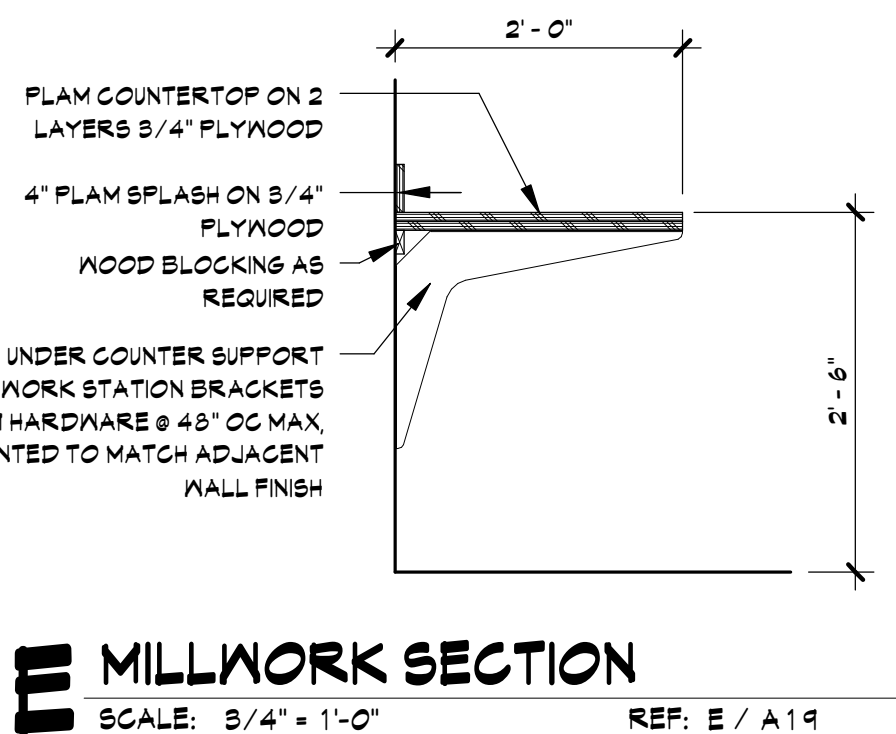
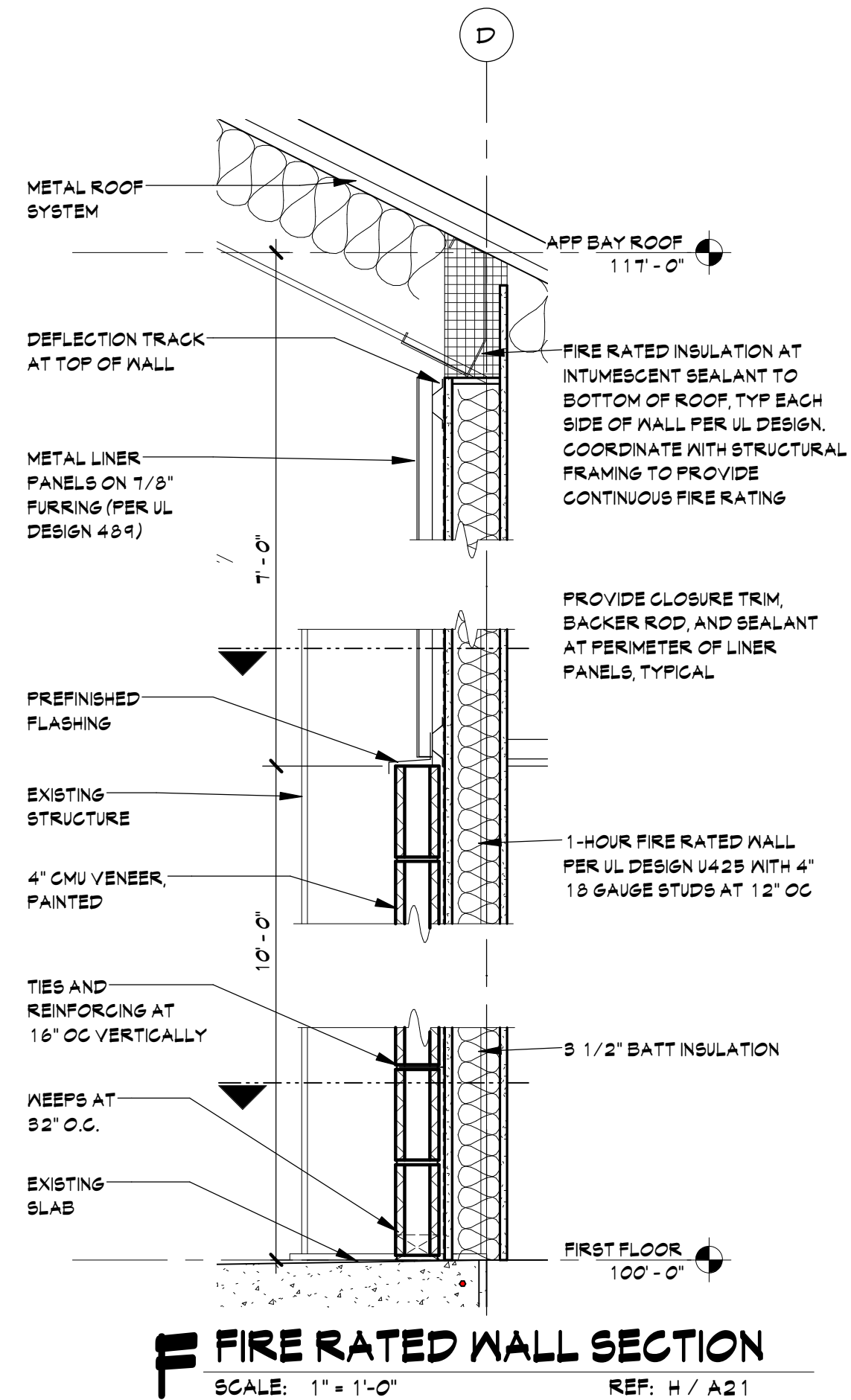
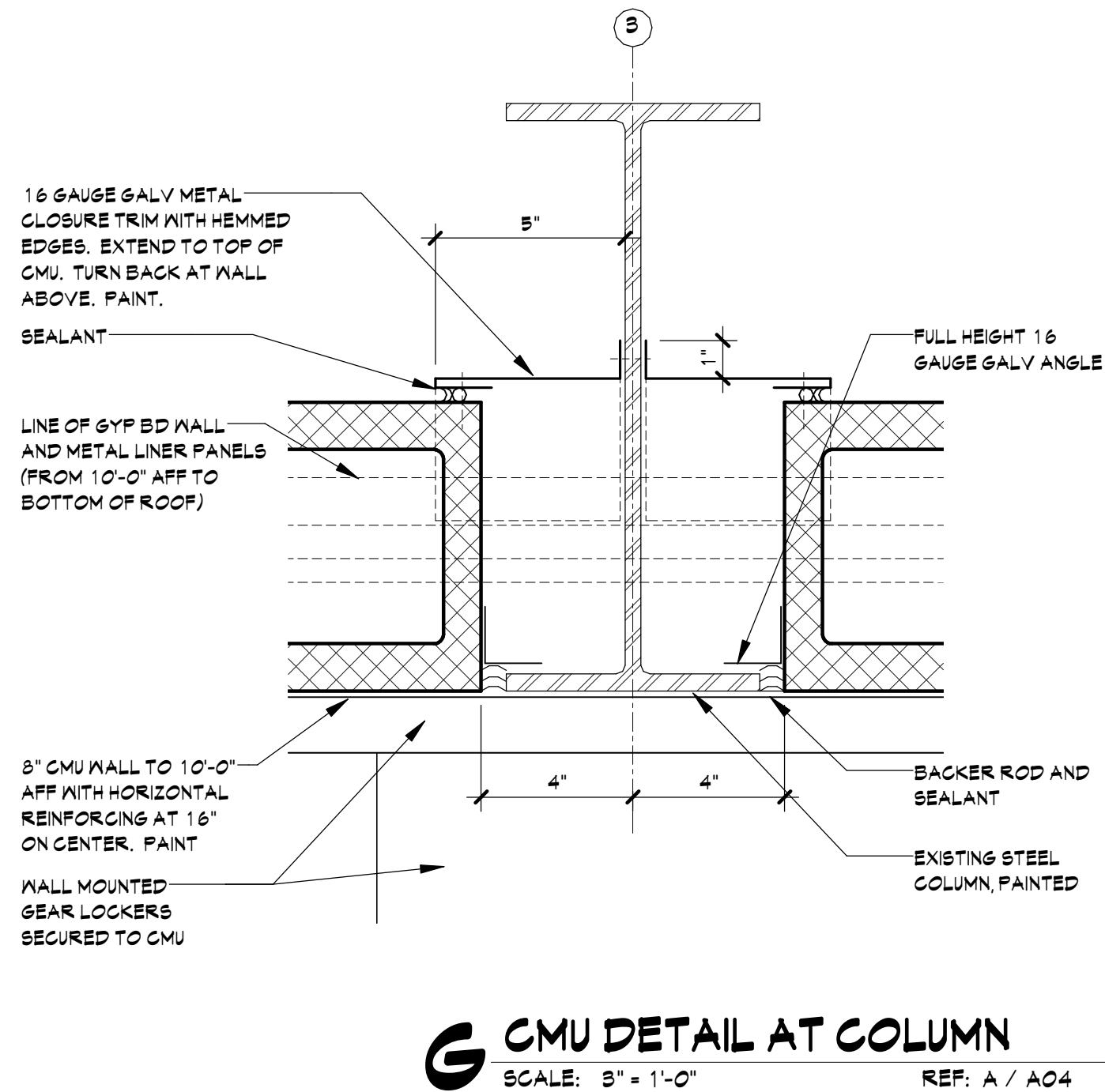
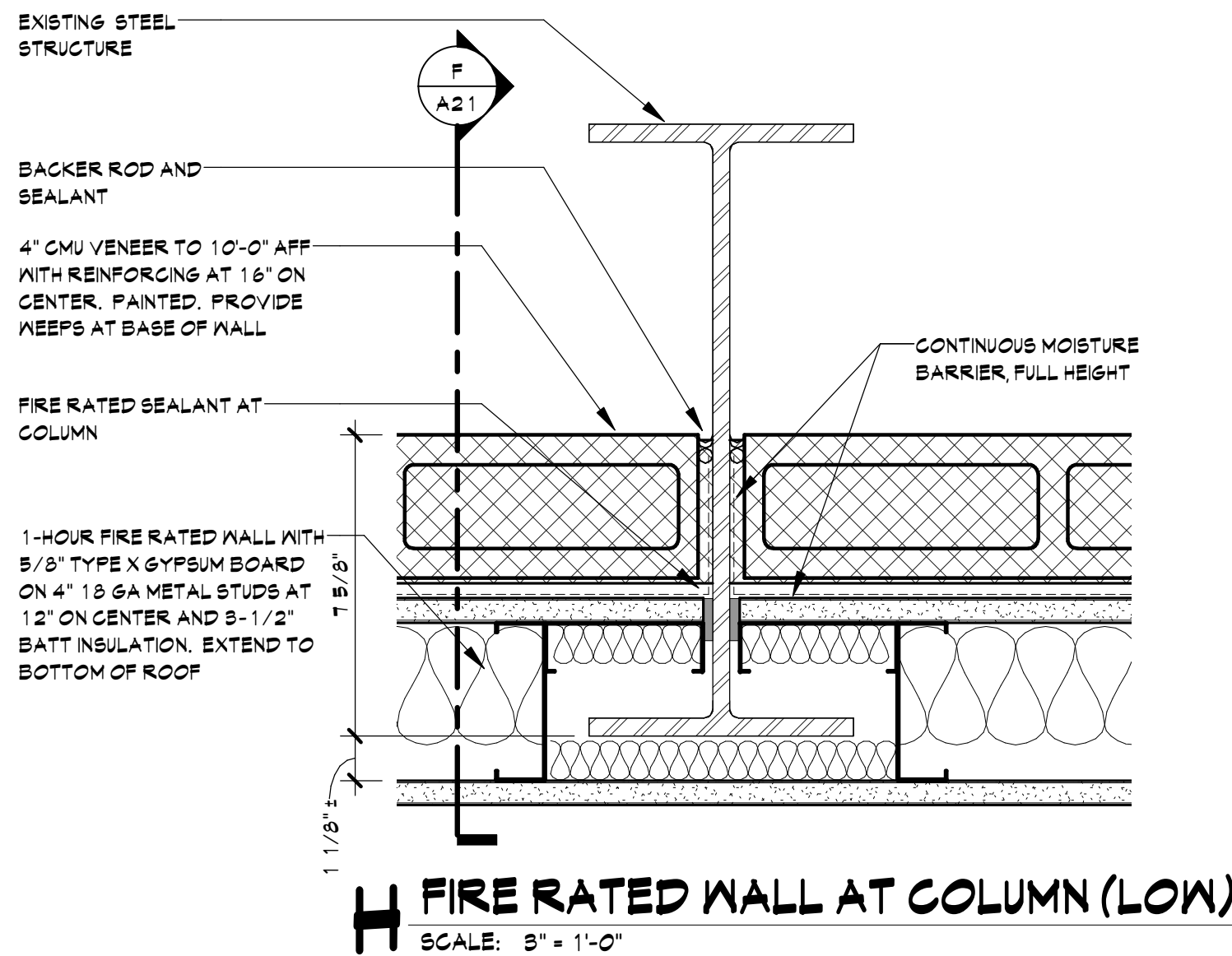
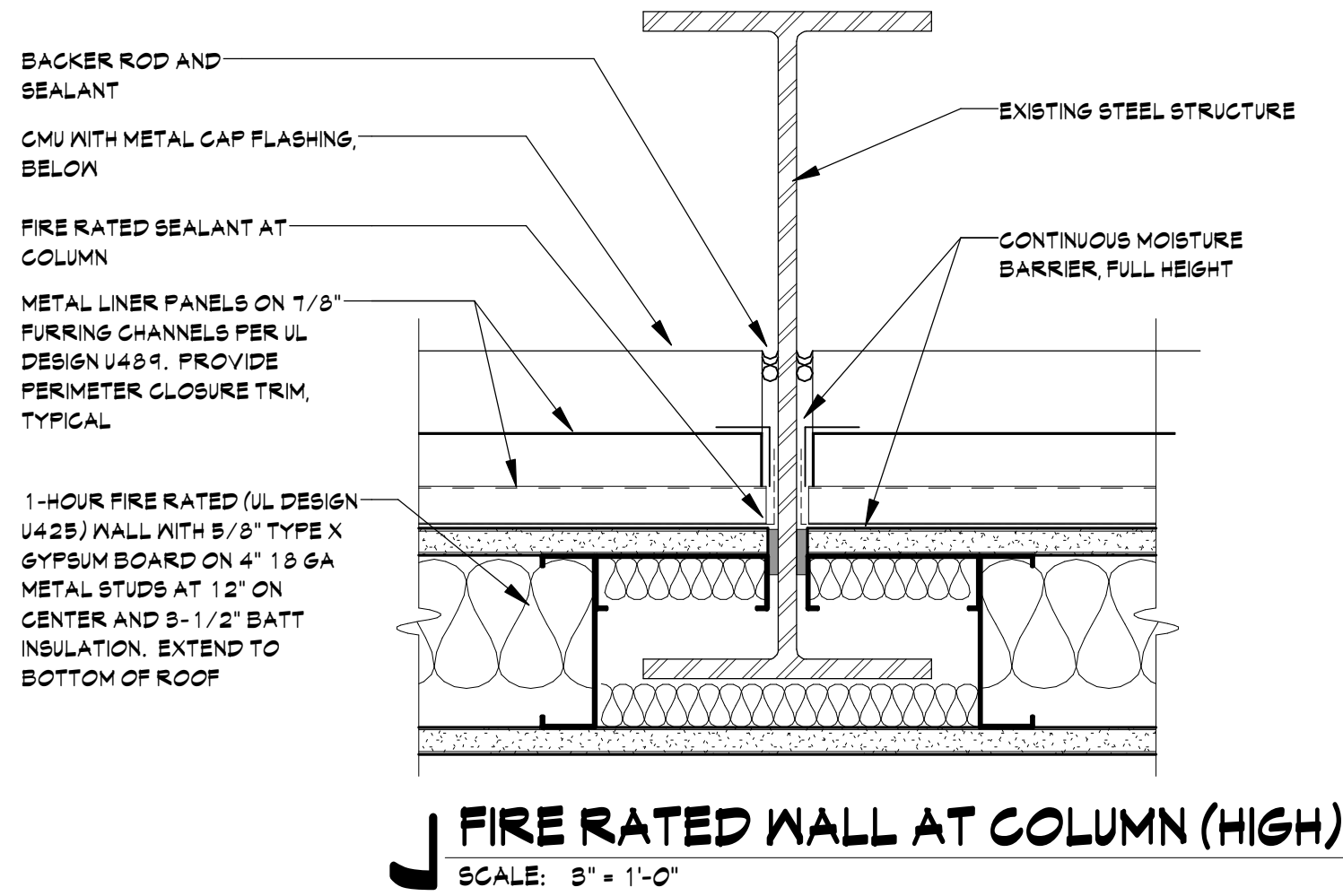
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CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB
1401 North Bryan Avenue Shawnee, Oklahoma

ISSUE DATE
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PROJECT NUMBER
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RE/DESIGNED BY
TO
DRAWN BY
LS
TITLE
**INTERIOR
ELEVATIONS**

SHEET NUMBER
A20

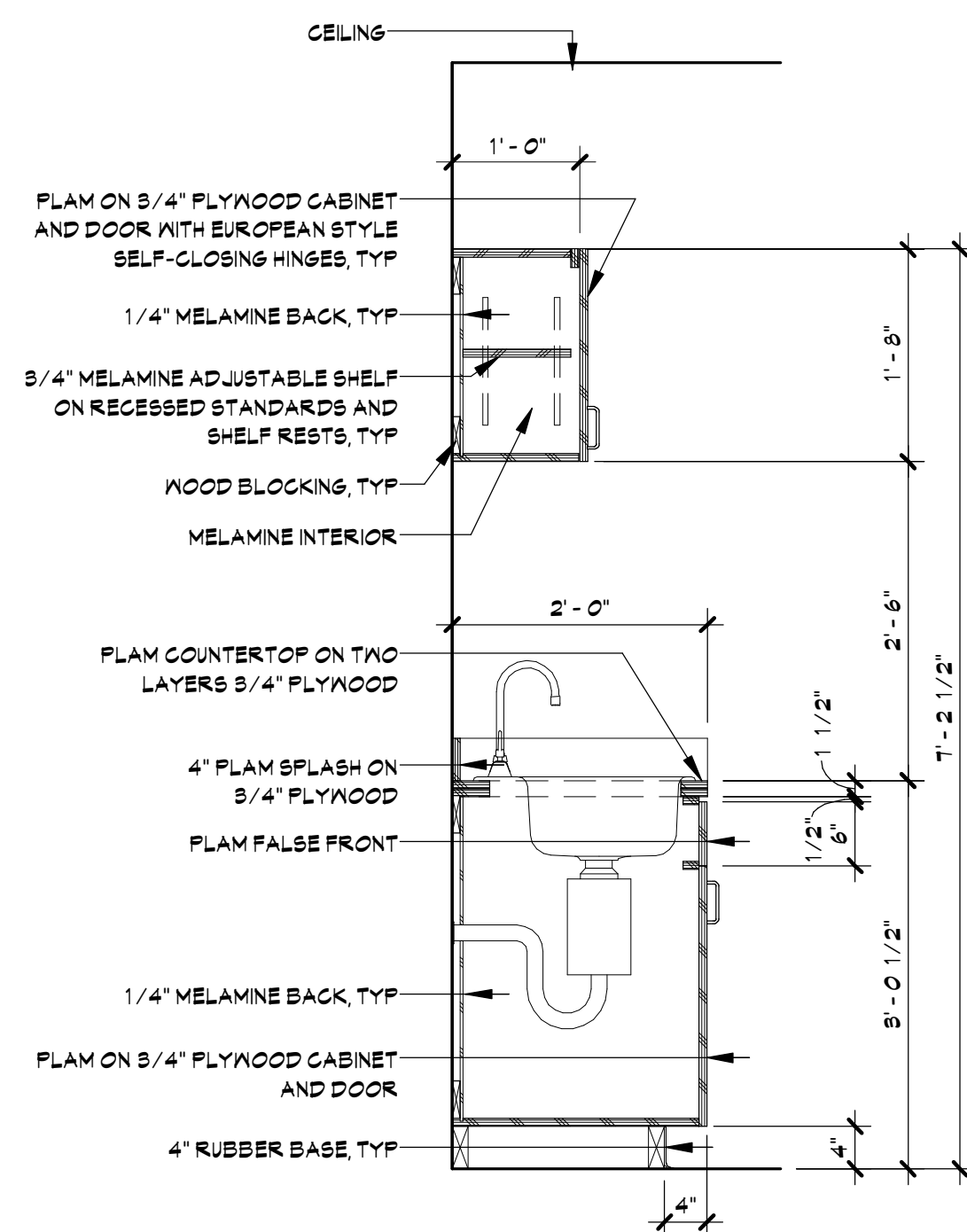
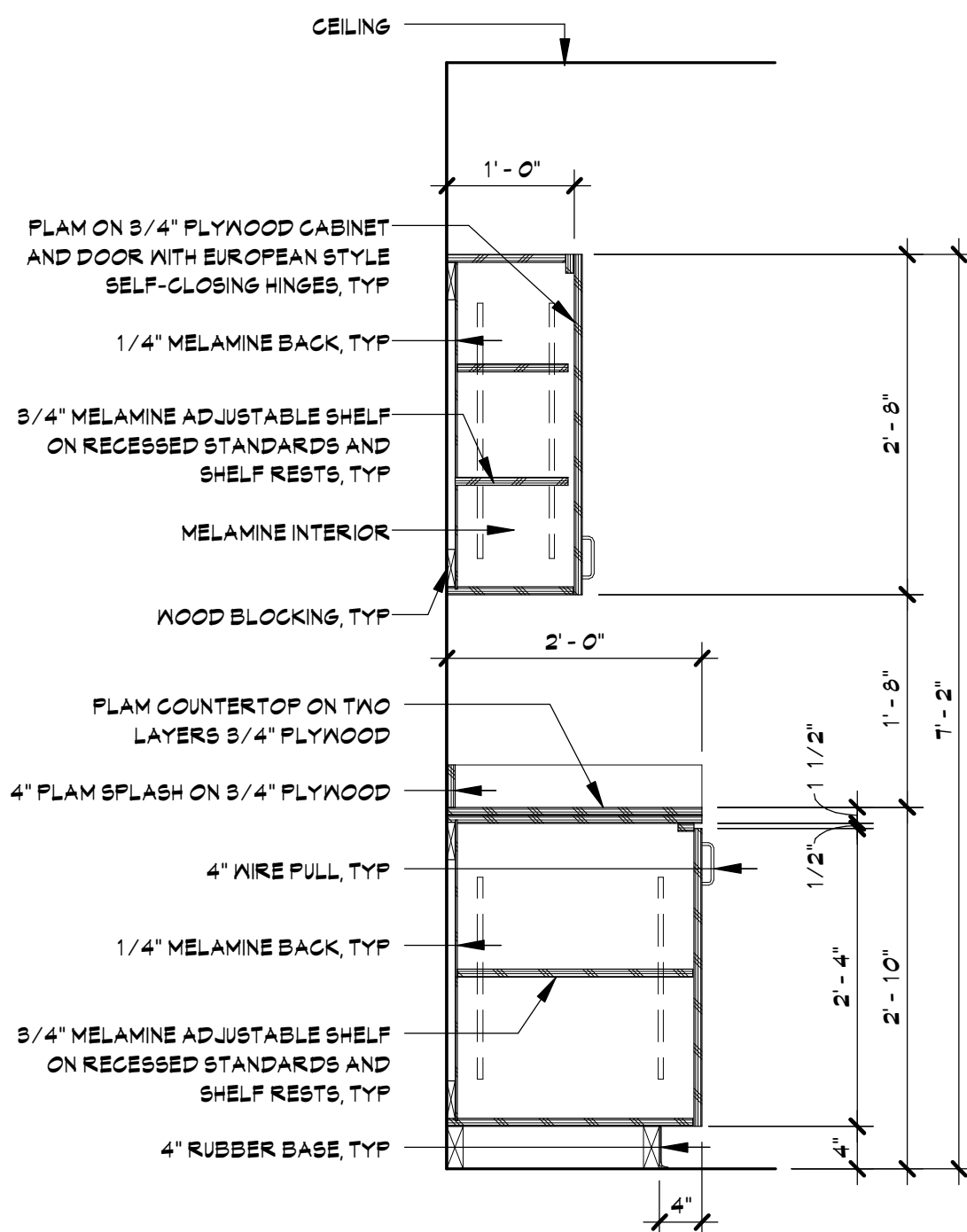
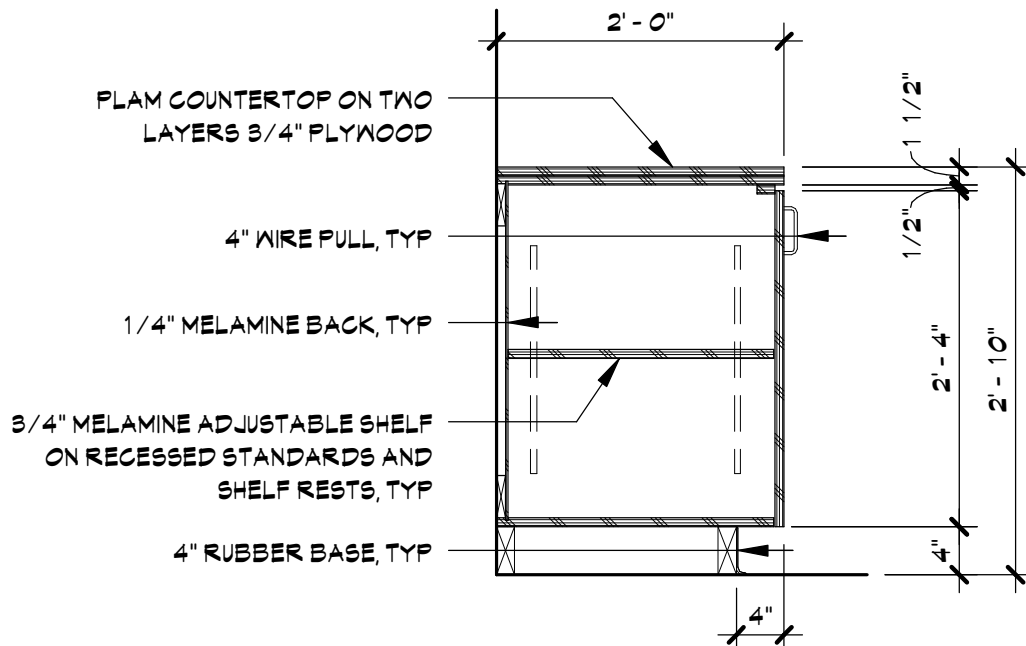


MILLWORK NOTES
NOTE THAT CABINET SECTIONS SHOWN ARE PLASTIC LAMINATE. IF ALTERNATE 4A (PAINTED METAL) OR ALTERNATE 4B (STAINLESS STEEL) ARE SELECTED, CABINETS DETAILS SHALL BE MANUFACTURER STANDARD IN SIMILAR SIZES AND CONFIGURATIONS SHOWN WITH ADJUSTABLE SHELVES, FULL EXTENSION DRAWER SLIDES, STAINLESS STEEL WIRE PULLS, AND HEAVY-DUTY HINGES. COUNTERTOPS SHALL BE STAINLESS STEEL WITH BACK SPLASHES.

BASE BID:
ALL CABINETS TO BE PLASTIC LAMINATE WITH PLASTIC LAMINATE COUNTERTOPS AND SPLASHES.

ALTERNATE #4A:
CABINETS AND ISLAND IN KITCHEN #106 AND AT LOCKER ROOM #109 TO BE METAL CASEWORK WITH BAKED ON EPOXY ENAMEL FINISH AND SOLID SURFACE COUNTERTOPS. ALL OTHER CABINETS TO BE PLASTIC LAMINATE WITH PLASTIC LAMINATE COUNTERTOPS.

ALTERNATE #4B:
CABINETS AND ISLAND IN KITCHEN #106 AND AT LOCKER ROOM #109 TO BE STAINLESS STEEL METAL CASEWORK WITH STAINLESS STEEL COUNTERTOPS. ALL OTHER CABINETS TO BE PLASTIC LAMINATE WITH PLASTIC LAMINATE COUNTERTOPS.



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DRAWN BY
LS

TITLE
INTERIOR DETAILS

SHEET NUMBER
A21

FIRE ALARM DEVICES

-  HORN AND VISUAL STROBE
-  VISUAL STROBE
-  SMOKE DETECTOR
-  SMOKE DETECTOR
-  PULL STATION

FIRE ALARM CONTRACTOR SHALL SUBMIT FIRE ALARM DRAWINGS TO BE APPROVED BY FIRE MARSHAL. EC SHALL BE RESPONSIBLE FOR ANY ADDITIONAL FIRE ALARM DEVICE ROUGH-INS AT THE DIRECTION OF THE FIRE MARSHAL AT FINAL INSPECTION AT NO ADDITIONAL COST TO THE OWNER. EXISTING FIRE ALARM SYSTEMS IN REMODEL AND EXPANSION PROJECTS ARE TO BE BROUGHT UP TO CURRENT CODES AT THE DIRECTION OF THE STATE FIRE MARSHAL.

ALL EQUIPMENT SHALL BE EQUAL TO XXX SERIES OR EQUAL.

PROVIDE ADDRESSABLE FIRE ALARM PANEL.

PROVIDE COMPLETE SCHEMATIC FIRE ALARM WIRING DIAGRAM AS PART OF SHOP DRAWING SUBMITTALS.

FINAL DESIGN LAYOUT OF THE FIRE ALARM DEVICES SHALL BE PROVIDED BY THE FIRE ALARM SYSTEM PROVIDER.

ELECTRICAL DEMOLITION NOTES

- ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE, STATE LAWS, AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.
- OBTAIN A FULL SET OF CONSTRUCTION DRAWINGS INCLUDING DRAWINGS FROM THE ARCHITECT, AND STRUCTURAL ENGINEER TO UNDERSTAND THE SCOPE OF WORK.
- PRIOR TO BID SUBMISSION, THE CONTRACTOR SHALL VISIT THE SITE AND AREA OR WORK TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITION. COORDINATE WITH OWNER FOR SCOPE OF WORK CLARIFICATIONS AND INCLUDE ALL ASSOCIATED COSTS IN THE BID.
- MEET WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING MATERIALS, SYSTEMS, EQUIPMENT, ETC, ARE CONSIDERED SALVAGE OR DEBRIS. REMOVE DEBRIS FROM SITE AND DISPOSE OF IN AN APPROVED MANNER AS DIRECTED BY OWNER/GENERAL CONTRACTOR, AND INCLUDE ALL ASSOCIATED COSTS IN THE BID.
- DEMOLISH ALL EXISTING LIGHTING, POWER AND DATA, CONDUITS AND CONDUCTORS, AND ANY ADDITIONAL ITEMS REQUIRED BY OWNER IN DEMOLITION AREA. REMOVE ALL ELECTRICAL EQUIPMENT SUCH AS DISCONNECTS, BOXES, RELAYS, TIME SWITCHES, LIGHTS, DEVICES, ETC WHICH WILL NOT BE REUSED. COORDINATE WITH OWNER FOR MORE INFORMATION AND INCLUDE ALL ASSOCIATED COSTS IN THE BID.
- THE CONTRACTOR SHALL VERIFY ALL PANELBOARD AND EQUIPMENT LOCATIONS IN THE FIELD PRIOR TO START OF CONSTRUCTION. SUBMITTING A BID AND STARTING CONSTRUCTIONS MEANS THAT YOU UNDERSTAND THE SITE CONDITIONS AND WILL BE RESPONSIBLE FOR ANY UNFORSEEN EXISTING CONDITIONS NOT EXPLICITLY SHOWN ON THESE DRAWINGS.
- PRIOR TO DEMOLITION, FIELD VERIFY AND IDENTIFY ANY EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT TO REMAIN. CONTRACTOR TO FIELD VERIFY THE EXISTING DEMAND LOAD VS NEW ADDITIONAL ELECTRICAL LOADS TO EXISTING ELECTRICAL SERVICE. CONTRACTOR TO ENSURE THAT NEW EQUIPMENT LOAD SHOULD NOT EXCEED THE MAXIMUM ELECTRICAL RATING FOR EXISTING ELECTRICAL EQUIPMENT. IF REQUIRED, PROVIDE UPGRADE TO EXISTING ELECTRICAL SERVICE AS REQUIRED WITH NO ADDITIONAL COST TO OWNER. NOTIFY ENGINEER AND OWNER FOR SUCH CONDITIONS AS REQUIRED.
- PRIOR TO THE INTERRUPTION OF EXISTING FEEDERS OR PANELS, THE CONTRACTOR SHALL VERIFY, BY MEANS OF TRACKING ALL EXISTING CIRCUITS, THAT ALL BRANCH CIRCUITS BEING REMOVED FROM DEMOLISHED FEEDER/RELOCATED FEEDER AND PANELS ARE NOT SERVING AREA WHICH ARE TO REMAIN. WHERE NECESSARY, RECONNECT CIRCUITS TO CORRESPONDING NEW OR EXISTING TO REMAIN BRANCH CIRCUIT PANELS. THESE CONDITIONS SHALL APPLY TO FIRE ALARM, COMMUNICATION, CONTROLS AND SPECIAL SYSTEMS.
- ANY CONCEALED CONDUITS MADE OBSOLETE DUE TO THE DEMOLITION SHALL BE CUT BACK TO FLOOR, WALL OR CEILING WITH THE REMAINING ENDS PLUGGED TO ALLOW REFINISHING OF THE SURFACES. EXISTING CONDUITS THAT ARE IN WALLS OR FLOORS WHICH ARE TO REMAIN AND CONDUIT DOES NOT, AND WILL NOT INTERFERES WITH THE WORK OF ANY TRADE, MAY REMAIN. ALL ABANDONED WIRE SHALL BE REMOVED IN ITS ENTIRELY.
- UNLESS NOTED OTHERWISE IN THESE DRAWINGS, ALL EXISTING BRANCH CIRCUITS SHALL BE RETAINED FOR RE-USE TO FEED NEW CIRCUITS AND EQUIPMENT. KEEP TRACK OF WHICH CIRCUIT BECOME AVAILABLE DURING DEMOLITION FOR USE IN THE NEW CONSTRUCTION.
- ANY CONDUIT WHICH REQUIRES REMOVAL DOWN TO THE FLOOR LEVEL SHALL BE CUT EVEN WITH THE FLOOR AND CAPPED INSIDE, AND OPENINGS SHALL BE FILLED WITH CONCRETE PATCHING. REPAIR SURFACES TO MATCH ADJACENT AS REQUIRED.
- REMOVE ALL ELECTRICAL DEVICES AS REQUIRED BY DEMOLITION. ALL DEMOLITION WORK IS NOT DETAILED ON THESE DRAWINGS. COORDINATE WITH OWNER FOR SCOPE OF DEMOLITION. REMOVAL AND RELOCATION OF SOME EXISTING ELECTRICAL WORK SHALL BE NEEDED FOR SATISFACTORY PERFORMANCE OF THIS AND OTHER TRADES. PROPOSALS SHALL INCLUDE CONSIDERATION FOR ANY AND ALL REQUIRED CHANGES REGARDING DEMOLITION OF DEVICES, REMOVALS, RECONNECTION OR ADDITIONAL WORK AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING AND DISPOSING OF ALL ELECTRICAL ELECTRICAL EQUIPMENT, CONDUIT, WIRE, DEVICES, ETC. AS REQUIRED FOR A COMLETE DEMOLITION. ALL FLUORESCENT LAMPS AND PCB BALLAST SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
- WHERE DEMOLITION AND/OR NEW CONSTRUCTION INTERRUPTS EXISTING ELECTRICAL CIRCUITS FEEDING EXISTING EQUIPMENT, DEVICES, OR LIGHTING TO REMAIN, BUT NOT SHOWN ON DRAWINGS. CONTRACTOR TO REWORK CIRCUITRY AS REQUIRED TO MAINTAIN EXISTING OPERATION AND INCLUDE ALL ASSOCIATED COSTS IN THE BID.
- ALL CIRCUITING AND FEEDERS SERVING AREAS BEYOND THE DEMOLITION ARE SHALL BE MAINTAINED AND REPAIRED AS REQUIRED, AT THE CONTRACATOR EXPENSE, SO THAT ALL SUCH SYSTEMS REMAIN IN OPERATIONS. CONTINUITY SHALL REMAIN AT ALL TIMES WHILE DISCONNECTING EQUIPMENT AND DEVICES FROM CIRCUITS THAT ARE TO REMAIN. CONTINUOUS SEVICE FEEDERS, CIRCUITS, PARTIAL CIRCUITS AND OUTLETS EFFECTED BY DEMOLITION WORK SHALL BE MAINTAINED, EXCEPT WHEN WRITTEN PERMISSION IS PROVIDED BY THE OWNER. ALL WORK REQUIRING SHUT-DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL PLAN AND PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE OUTAGES AND SUBMIT TO THE OWNER A SCHEDULE OF THE REQUIRED OUTAGES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING MATERIAL, NOT EFFECTED BY THE SCOPE OF DEMOLITION WORK WHICH IS DAMAGED BY HIS WORK. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY/ALL DAMAGED MATERIALS OR EQUIPMENT AS REQUIRED/DIRECTED AT NO ADDITIONAL COST TO OWNER. REPAIRING AND PATCHING SHALL BE DONE BY THE RESPECTIVE TRADES INVOLVED. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND RESTORATION OF EXISTING CONSTRUCTION IN AREA WHICH ARE NOT IN THE RENOVATION WORK AREA, BUT REQUIRED TO ACCOMODATE NEW WORK AND REMOVAL OF ABANDONED SYSTEMS.
- REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR DEMOLITION/RELOCATION OF MECHANICAL OR PLUMBING EQUIPMENT. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL CONDUITS, WIRE AND ASSOCIATED DEVICES RELATING TO EQUIPMENT BEING REMOVED.
- THE OWNER SHALL RESERVE ALL RIGHTS TO CLAIMING MATERIAL REMOVED DURING DEMOLITION. THE CONTRACTOR SHALL VERIFY WHICH ITEMS AND/OR MATERIALS THE OWNER WISHED TO CLAIM AND ALL OTHER ITEMS NOT CLAIMED BY OWNER TO A DESIGNATED LOCATION.
- RETAIN EXIT SIGNS AND FIRE ALARM DEVICES FOR RE-USE WHERE POSSIBLE.
- RETAIN OVERHEAD CABLE RACEWAYS. COORDINATE WITH THE OWNER WHETHER THEY WANT TO KEEP THE EXISTING LOW-VOLTAGE COMMUNICATIONS CABLES OR HAVE NEW CABLES INSTALLED.
- COORDINATE ANY PLANNED POWER OUTAGES WITH THE OWNER. DO NOT SHUT OFF POWER TO ANY EQUIPMENT OR BRANCH CIRCUITS WITHOUT GETTING WRITTEN APPROVAL FROM THE OWNER. IF REQUIRED, MAKE PROVISION FOR TEMPORARY POWER TO BRANCH CIRCUITS AND EQUIPMENT AT THE OWNERS DIRECTION.
- PROVIDE TEMPORARY POWER TO SECURITY AND SERVEILLANCE EQUIPMENT THAT MAY BE AFFECTED DURING POWER OUTAGES.
- AVOID DISRUPTION OF SERVICES DURING NORMAL BUSINESS HOURS. ALL SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH BUILDING OWNER AND SCHEDULED AFTER NORMAL BUSINESS HOURS OR AS OTHERWISE APPROVED BY OWNER.
- UPON COMPLETION OF THE DEMOLITION WORK PROVIDE UPDATED CIRCUIT SCHEDULES TO THE ELECTRICAL ENGINEER SO WE CAN UNDERSTAND WHETHER THERE ARE ADEQUATE AVAILABLE CIRCUITS FOR THE REMODEL.

ELECTRICAL NOTES

- ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL ELECTRIC CODE, STATE LAWS, AND ALL OTHER REGULATIONS GOVERNING WORK OF THIS NATURE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIAL, AND LABOR TO SATISFY A COMPLETE AND WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES AS REQUIRED.
- CONTRACTOR TO CONFIRM EXACT LOCATION OF EXISTING AND NEW EQUIPMENT WITH OWNERS AGENTS.
- CONDUIT RUNS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR. RUNS SHALL BE PARALLEL / PERPENDICULAR TO BUILDING WALLS AND STRUCTURE WITH 90 DEGREE BENDS.
- FIELD MOUNTED DEVICES SUCH AS SWITCHES, MOTOR STARTERS, RECEPTACLES, ETC., ARE SHOWN IN THEIR APPROXIMATE LOCATION. SWITCH MOUNTING HEIGHT SHALL BE 48" ABOVE FINISHED FLOOR AND RECEPTACLE MOUNTING HEIGHT SHALL BE 18" ABOVE FINISHED FLOOR.
- POWER WIRING SHALL BE COPPER STRANDED CONDUCTOR WITH "THW" INSULATION RATED 600 VOLTS. MINIMUM WIRE SIZE OF POWER WIRING SHALL BE #12 AWG. LIGHTING AND RECEPTACLE BRANCH CIRCUIT WIRING SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON DRAWINGS OR SCHEDULES.
- HOME RUN CIRCUITS MORE THAN 75 FEET FROM THE PANEL-BOARD SHALL BE MADE WITH #10 AWG OR LARGER AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MINIMUM.
- THE TYPE OF CONDUIT SHALL BE AS FOLLOWS FOR ALL FEEDERS AND DISTRIBUTION CIRCUITS, UNLESS OTHERWISE SPECIFIED.

APPLICATION	TYPE OF CONDUIT
BURIED IN CONCRETE OR OUTDOOR	PVC WITH GALV. RIGID STEEL ELBOWS
SERVICE ENTRANCE	GALV. RIGID STEEL
SUPPLY TO DISTRIBUTION PANELS AND HVAC EQUIPMENT	EMT
BRANCH CIRCUITS	EMT
LINE, LOAD AND CONTROL WIRING FOR VFD EQUIPMENT	EMT

- MC CABLE AND SER CABLE SHALL ONLY BE USED WITH SPECIFIC PERMISSION FROM THE ENGINEER AND ONLY WHERE ALLOWED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GROUNDING SYSTEMS (AS REQUIRED) IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- ALL RECEPTACLES SHALL BE GROUNDING TYPE.
- PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTED OUTLETS WHERE REQUIRED BY THE NATIONAL ELECTRIC CODE.
- ALL ELECTRIC MATERIALS AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND U.L. OR EQUALLY APPROVED.
- CONTRACTOR TO CONFIRM EXACT LOCATION OF METERS WITH ELECTRIC UTILITY.
- SUBMIT TO THE OWNER CERTIFICATES OF INSPECTIONS IN DUPLICATE FROM AN APPROVED INSPECTION AGENCY UPON COMPLETION.
- PERFORMANCE AND WITNESSING OF TESTS
 - THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND QUALIFIED PERSONNEL OR FIRM TO PERFORM ALL REQUIRED TESTS.
 - ALL NEW AND RECONNECTED ELECTRICAL CIRCUITS SHALL BE TESTED TO INSURE CIRCUIT CONTINUITY, INSULATION RESISTANCE, PROPER SPLICING AND GROUNDING IN ACCORDANCE WITH THE LATEST STANDARDS. AS STATED ABOVE, BEFORE CONNECTING POWER CABLES TO MOTORS, THE INSULATION RESISTANCE OF ALL MOTOR WINDINGS SHALL BE TESTED IN ACCORDANCE WITH THE ABOVE STANDARDS.
 - ANY CONTRACTOR FURNISHED AND/OR INSTALLED SPLICE, RECOMMENDED VOLTAGE AND INSULATION RESISTANCE TESTS, SHALL BE CONNECTED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
 - NO EQUIPMENT SHALL BE ENERGIZED UNTIL ALL TESTS AND ADJUSTMENTS HAVE BEEN MADE. THREE COPIES OF ALL TEST RESULTS SHALL BE DELIVERED TO THE OWNER.
- ALL ELECTRICAL WORK SHALL BE COORDINATED WITH THE MECHANICAL WORK AS CALLED FOR IN MECHANICAL SPECIFICATIONS. THE CONTRACTOR SHALL BE FAMILIAR WITH THE ENTIRE SET OF PLANS. CHECK ARCHITECTURAL ELEVATIONS AND COORDINATE MOUNTING HEIGHTS OF DEVICES WITH MILLWORK PRIOR TO ROUGH-IN.
- EC SHALL PROVIDE A 4"W X 4"H X 3/4" PLYWOOD MOUNTING BOARD WHERE SHOWN ON DRAWINGS FOR TELEPHONE/CATV/ ALARM SYSTEM EQUIPMENT, ETC.
- DUCT MOUNTED SMOKE DETECTORS ARE TO BE INCLUDED IN FIRE ALARM DESIGN PER NFPA 72 AND NFPA 90. THEY SHALL BE FURNISHED BY FIRE ALARM CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. INTERLOCK WIRING BETWEEN FIRE ALARM SYSTEM RELAY AND HVAC UNIT SHUTDOWN CONTACT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL OTHER WIRING SHALL BE BY FIRE ALARM CONTRACTOR. UPON SMOKE DETECTION SIGNAL FROM FIRE ALARM SYSTEM HVAC UNIT SHALL SHUTDOWN. REFER TO MECHANICAL PLANS FOR LOCATIONS/QUANTITIES OF HVAC UNITS THAT REQUIRE DUCT MOUNTED SMOKE DETECTORS.

ELECTRICAL NOTES

- FIELD VERIFY LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, INCLUDING POWER POLES, TELEPHONE PEDESTALS, OVERHEAD AND UNDERGROUND FEEDERS, METERS, PANELS, DEVICES, ETC. PROVIDE FOR COORDINATION WITH EXISTING EQUIPMENT.
 - PROVIDE 3/4" CONDUIT, AND 4" SQUARE BOX WITH SINGLE GANG DEVICE RING FOR ALL THERMOSTAT LOCATIONS INDICATED ON THE MECHANICAL DRAWINGS. ROUTE CONDUIT FROM BOX TO ACCESSIBLE CEILING CAVITY. PROVIDE PLASTIC BUSHINGS ON EXPOSED CONDUIT ENDS. PROVIDE PULL STRING IN ALL EMPTY CONDUIT SYSTEMS. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. IF WIRELESS THERMOSTATS ARE SPECIFIED, NO WORK IS REQUIRED.
 - PROVIDE CABLE HOOKS ABOVE CEILING ON 6" CENTERS. MOUNT 6 INCHES ABOVE CEILING. COORDINATE WITH OWNER TO DETERMINE WHERE HOOKS SHALL BE REQUIRED.
 - COORDINATE MECHANICAL EQUIPMENT CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE FEEDERS, DISCONNECTS AND MAINTENANCE RECEPTACLES SO THAT THEY WILL NOT INTERFERE WITH OPERATION OR MAINTENANCE OF MECHANICAL EQUIPMENT.
 - CONNECT EXIT LIGHTS TO UNSWITCHED PORTION OF ADJACENT LIGHTING CIRCUIT. DO NOT SWITCH.
 - NOT USED.
 - COORDINATE ALL CEILING MOUNTED ELECTRICAL ITEMS WITH OTHER DISCIPLINES AND WITH CEILING GRID. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
 - NOT USED.
 - WHERE SHOWER LIGHT SWITCHES ARE ACCESSIBLE FROM SHOWER, EC SHALL USE NYLON SCREWS IN FACEPLATE.
 - LAY-IN FIXTURES IN GRID CEILINGS SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE WITH #12 AWG WIRE AT EACH CORNER. THE CEILING GRID SHALL NOT BE USED AS THE PRIMARY MEANS OF SUPPORTING A LAY-IN FIXTURE.
 - ELECTRICAL CONTRACTOR SHALL VERIFY CHEVRON DIRECTIONS OF ALL EXIT SIGNS PRIOR TO ORDERING.
 - COORDINATE DEVICE LOCATIONS WITH MILLWORK AND FURNITURE PLANS PRIOR TO ROUGH-IN. LOCATIONS OF DEVICES SHOWN ON PLANS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE DEVICE LOCATIONS WITH ALL TRADES. DEVICES INSTALLED AT INACCESSIBLE LOCATIONS BEHIND CABINETS OR MILL WORK IS NOT ACCEPTABLE. COORDINATE THE MOUNTING HEIGHT OF ALL DEVICES PRIOR TO ROUGH-IN.
 - FIRE ALARM CONTRACTOR SHALL SUBMIT FIRE ALARM DRAWINGS TO BE APPROVED BY FIRE MARSHAL. EC SHALL BE RESPONSIBLE FOR ANY ADDITIONAL FIRE ALARM DEVICE ROUGH-INS AT THE DIRECTION OF THE FIRE MARSHAL AT FINAL INSPECTION AT NO ADDITIONAL COST TO THE OWNER.
 - ELECTRICAL SERVICE
 - COORDINATE ALL SERVICE AND METERING DETAILS INCLUDING ANY RELOCATION OF EXISTING UTILITY LINES WITH POWER COMPANY. CONTRACTOR MUST VISIT THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
- POWER COMPANY : OG+E
(405) 272-9595
- PAY ANY POWER COMPANY FEES CHARGED TO OWNER FOR SERVICE AND UTILITY LINE WORK ASSOCIATED WITH THIS PROJECT. THESE COSTS SHALL BE INCLUDED IN BIDS.
 - FURNISH AND INSTALL MATERIALS FOR A TEMPORARY CONSTRUCTION SERVICE AS REQUIRED.
 - FURNISH AND/OR INSTALL ALL REQUIRED MATERIAL AND LABOR IN COMPLIANCE WITH POWER COMPANY REQUIREMENTS TO PROVIDE A COMPLETE ELECTRICAL SERVICE, INCLUDING TRENCHING AND BACK FILLING, PRIMARY CONDUIT, CONCRETE TRANSFORMER PAD, SECONDARY CONDUITS AND CABLES, C.T. CABINET, AND GROUNDING SYSTEM.
- TELEPHONE SERVICE ENTRANCE
 - FURNISH AND INSTALL A TELEPHONE SERVICE CONDUIT. STUB UP AT DESIGNATED EQUIPMENT BOARD +12" ABOVE FLOOR AND CAP. INSTALL 24" UNDERGROUND TO TELEPHONE COMPANY SERVICE LOCATION.
 - EC SHALL COORDINATE PHONE BOARD LOCATION AND PHONE SERVICE CONDUITS WITH BUILDING OWNER AND EXISTING BUILDING DATA SERVICE PRIOR TO ROUGH-IN.
 - ONE #6 COPPER INSULATED GROUND WIRE FROM THE ELECTRICAL SERVICE GROUND TO THE TELEPHONE EQUIPMENT BOARD. LEAVE 36" EXTRA WIRE AT FREE END.
 - CABLE TV SERVICE ENTRANCE
 - FURNISH AND INSTALL A CABLE TV SERVICE CONDUIT IF EXISTING CABLE TV SERVICE CANNOT BE REUSED. STUB UP AT DESIGNATED LOCATION +12" ABOVE FINISH FLOOR AND CAP. INSTALL 24" UNDERGROUND TO CABLE TV COMPANY SERVICE LOCATION.
 - EVALUATE EXISTING CABLE TV SERVICE SETUP AND COORDINATE ALL NEW WORK WITH CABLE TV COMPANY.
 - REF BUILDING POWER PLAN FOR CABLE TV SERVICE CONDUIT STUB LOCATION.

ABBREVIATIONS

- | | |
|------|---|
| AFF | ABOVE FINISHED FLOOR |
| GND | GROUND |
| NEC | NATIONAL ELECTRICAL CODE |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSC. |
| NIC | NOT IN CONTRACT |
| UG | UNDERGROUND |
| WP | WEATHERPROOF |
| EC | ELECTRICAL CONTRACTOR |

-  ABOVE COUNTER RECEPTACLE
-  QUADRUPLEX RECEPTACLE
-  SPECIAL RECEPTACLE: VERIFY NEMA TYPE WITH MANUFACTURER
-  DUPLEX RECEPTACLE
-  GFI DUPLEX RECEPTACLE
-  ABOVE COUNTER GFI DUPLEX RECEPTACLE
-  CEILING MOUNTED RECEPTACLE
-  DIRECT EQUIPMENT CONNECTION: VERIFY CONNECTION DETAILS WITH MANUFACTURER

 WIRING CONCEALED IN CEILING OR WALLS. ALL WIRE IS NUMBER #12 AWG MINIMUM.

 SWITCH OUTLET MOUNTED AT +48". LOWER CASE LETTER, WHEN PRESENT, INDICATES FIXTURES CONTROLLED.

ABBREVIATIONS FOR SWITCH OUTLETS

- | | |
|----|--|
| 2 | DOUBLE POLE SWITCH |
| 3 | 3-WAY SWITCH |
| 4 | 4-WAY SWITCH |
| D | DIMMER SWITCH (1000W MINIMUM) |
| OS | VACANCY SENSOR |
| V | VOLUME CONTROL SWITCH |
| K | KEYED SWITCH |
| F | FAN SWITCH: DUAL OPERATION WITH DIMMER |

 CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH SPARE DRY CONTACTS. HUBBELL OMNIDIARP SERIES.

 FLOOR BOX WITH DATA: HUBBELL 3SFBS WITH 3SFBC COVER. EC SHALL ROUTE A 1" C FOR DATA FROM FLOOR BOX TO NEAREST ACCESSIBLE CEILING SPACE. ON FLOOR LEVELS WITH ACCESSIBLE SPACE BELOW USE POKE-THRU STYLE FLOOR BOXES: HUBBELL PT2X2 SERIES.

 4x4 JUNCTION BOX.

 EQUIPMENT DISCONNECT: SIZE VARIES WITH EQUIPMENT.

 CEILING MOUNTED SPEAKER

 PHONE/DATA: PROVIDE 4X4 JUNCTION BOX AT +18" (UNO) WITH (2) 3/4" CONDUITS (WITH PULL STRINGS) ROUTED TO ACCESSIBLE CEILING SPACE. PROVIDE SINGLE GANG MUD RING WITH BLANK COVER.

 ABOVE COUNTER PHONE/DATA: PROVIDE 4X4 JUNCTION BOX ABOVE COUNTER WITH (2) 3/4" CONDUITS (WITH PULL STRINGS) ROUTED TO ACCESSIBLE CEILING SPACE. PROVIDE SINGLE GANG MUD RING WITH BLANK COVER.

 TELEVISION: PROVIDE 4X4 JUNCTION BOX WITH (2) 3/4" CONDUITS (WITH PULL STRINGS) ROUTED TO ACCESSIBLE CEILING SPACE. PROVIDE SINGLE GANG MUD RING WITH BLANK COVER. CONFRIM HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.



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CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB
1401 Bryan Street Shawnee, Oklahoma

01.09.2017

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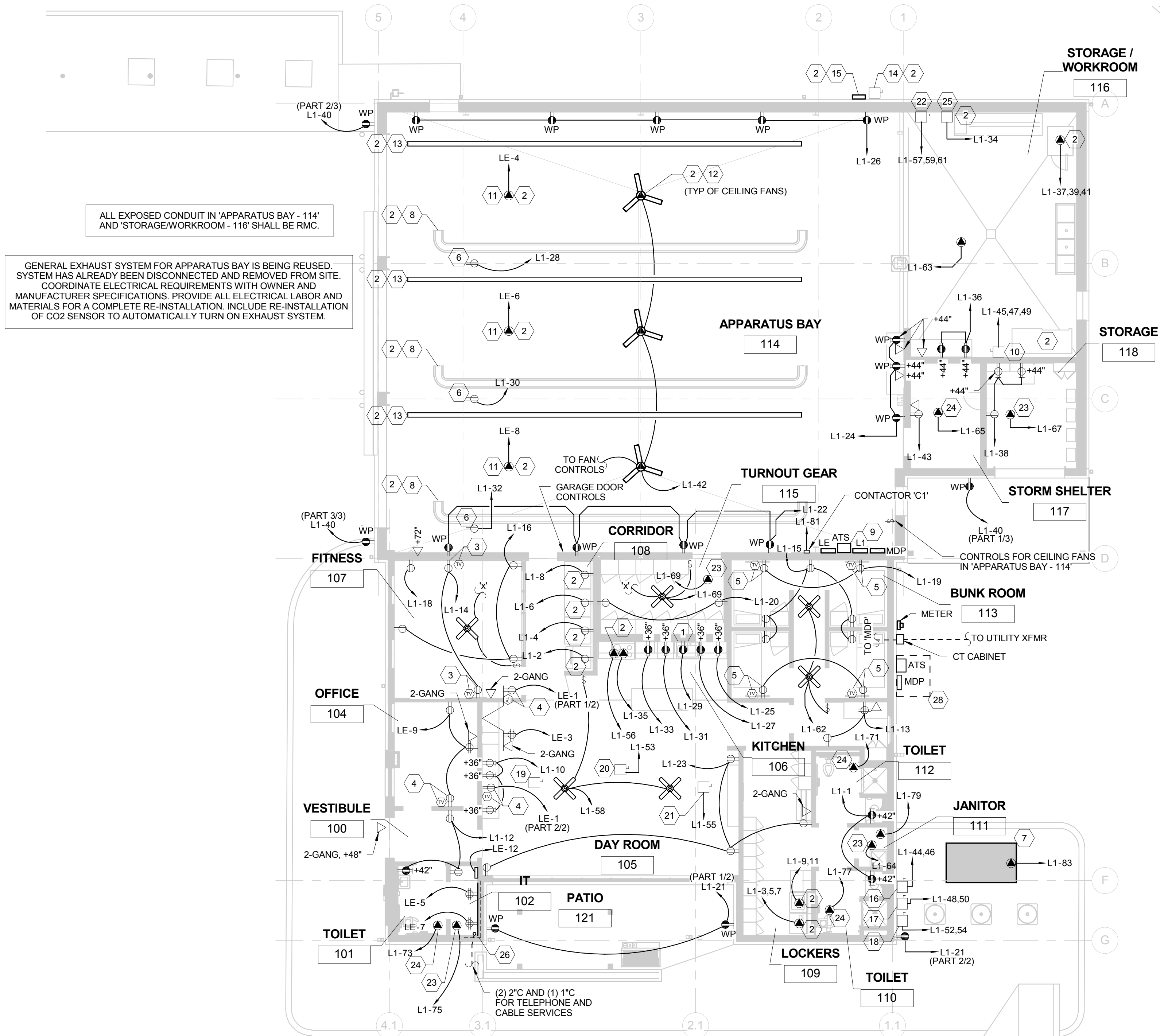
ISSUE DATE
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ISSUE DATE

PROJECT NUMBER 1114-01
REVIEWED BY TS
DRAWN BY LS
TITLE
ELECTRICAL
NOTES AND
LEGENDS

SHEET NUMBER

E000



1 POWER PLAN
SCALE: 1/8" = 1'-0"



- ELECTRICAL KEYNOTES
- 1) MOUNT GFI RECEPTACLE IN CABINET SPACE BELOW COUNTER FOR USE WITH GARBAGE DISPOSAL.
 - 2) FINAL EQUIPMENT SELECTION IS SUBJECT TO CHANGE. VERIFY FINAL ELECTRICAL REQUIREMENTS WITH OWNER AND MANUFACTURER SPECIFICATIONS PRIOR TO ROUGH-IN. COORDINATE WITH ELECTRICAL ENGINEER TO UPDATE CONSTRUCTION DOCUMENTS IF ANY OF THE FOLLOWING NEED TO BE REVISED.
 - CONDUCTOR SIZES
 - OCCUPANCY RATING
 - SINGLE PHASE VS. THREE PHASE OPERATION
 - METHOD OF TERMINATION
 - 3) INSTALL RECEPTACLE AND TV DATA OUTLET AT +72" AFF.
 - 4) INSTALL RECEPTACLE AND TV DATA OUTLET AT +64" AFF.
 - 5) INSTALL RECEPTACLE AND TV DATA OUTLET AT +54" AFF. RECEPTACLE SHALL BE PROTECTED BY AFCI BREAKER.
 - 6) CORD REEL MOUNTED TO STRUCTURAL FRAMING AT +21'-8" AFF. FULLY RETRACTED CORD SHALL LEAVE PLUG AT +7'-0" AFF.
 - 7) BASE BID:
 - EXISTING 22KW GENERATOR WILL BE RELOCATED TO THIS LOCATION, REF 1-E400.
 - BID ALTERNATE 1:
 - EXISTING 22KW GENERATOR WILL BE REMOVED. INSTALL NEW 150KW GENERATOR IN THIS LOCATION, REF 1-E400.
 - 8) EXISTING RADIANT HEATING TUBE SYSTEM IS BEING REUSED. POWER FROM 'LE-10'.
 - 9) EXISTING AUTOMATIC TRANSFER SWITCH. REF 1-E400 FOR INFORMATION REGARDING NEW AUTOMATIC TRANSFER SWITCH FOR 'BID ALTERNATE-2'.
 - 10) NEMA 1, 240 VAC, 60A, 3-POLE, NON-FUSED DISCONNECT FOR SCUBA REFILL STATION MOUNTED AT +48" AFF.
 - 11) CONNECT GARAGE DOOR MOTOR TO GARAGE DOOR CONTROLS AND MOTION SENSORS. REFERENCE MANUFACTURER SPECIFICATIONS AND PROVIDE LABOR AND MATERIALS AS NECESSARY FOR A COMPLETE INSTALLATION.
 - 12) COORDINATE WITH OWNER AND ARCHITECT TO PROVIDE NEW CEILING FAN.
 - 13) SLIDING RAIL VEHICLE EXHAUST SYSTEM IS BEING REUSED FROM EXISTING FACILITY. PROVIDE ALL LABOR AND MATERIALS AS NECESSARY TO REINSTALL ENTIRE SYSTEM.
 - 14) LOCATION OF DISCONNECT FOR SLIDING RAIL VEHICLE EXHAUST SYSTEM. VERIFY DISCONNECT IS RATED FOR OUTDOOR USE.
 - 15) LOCATION OF CONTROLS FOR SLIDING RAIL VEHICLE EXHAUST SYSTEM. VERIFY CONTROLS ARE RATED FOR OUTDOOR USE.
 - 16) NEMA 3R, 240 VAC, 30 A, 2-POLE, NON-FUSED DISCONNECT FOR CU-1 MOUNTED AT +30" ABOVE GRADE.
 - 17) NEMA 3R, 240 VAC, 60 A, 2-POLE, NON-FUSED DISCONNECT FOR CU-2 MOUNTED AT +30" ABOVE GRADE.
 - 18) NEMA 3R, 240 VAC, 30 A, 2-POLE, NON-FUSED DISCONNECT FOR CU-3 MOUNTED AT +30" ABOVE GRADE.
 - 19) MANUFACTURER PROVIDED DISCONNECT SWITCH FOR ABOVE CEILING FU-1. REF A-M04 FOR EXACT UNIT LOCATION.
 - 20) MANUFACTURER PROVIDED DISCONNECT SWITCH FOR ABOVE CEILING FU-2. REF A-M04 FOR EXACT UNIT LOCATION.
 - 21) MANUFACTURER PROVIDED DISCONNECT SWITCH FOR ABOVE CEILING FU-3. REF A-M04 FOR EXACT UNIT LOCATION.
 - 22) NEMA 1, 240 VAC, 30 A, 3-POLE, NON-FUSED DISCONNECT FOR EH-1 MOUNTED AT +48" AFF.
 - 23) CONTINUOUS OPERATION EXHAUST FAN WITH MANUFACTURER PROVIDED INTEGRAL DISCONNECT SWITCH. REF A-M04 FOR EXACT UNIT LOCATION.
 - 24) EXHAUST FAN WITH MANUFACTURER PROVIDED INTEGRAL DISCONNECT SWITCH. OPERATE WITH LIGHTS SERVING SAME AREA. REF A-M04 FOR EXACT UNIT LOCATION.
 - 25) NEMA 1, 240 VAC, 30 A, 2-POLE, NON-FUSED DISCONNECT FOR DRYING RACK MOUNTED AT +48" AFF.
 - 26) INSTALL 4"W x 4"H x 3/4" PLYWOOD TELECOM BOARD. MOUNT (1) QUADRUPEX RECEPTACLE AT EACH BOTTOM CORNER OF THE BOARD.
 - 28) IF BID ALTERNATE 1 IS ACCEPTED, REVISE MDP AND ATS TO THIS LOCATION. REF 1-E400 FOR ADDITIONAL INFO.



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1114-01

REVIEWED BY
DRAWN BY

TB
LS

TITLE
POWER PLAN

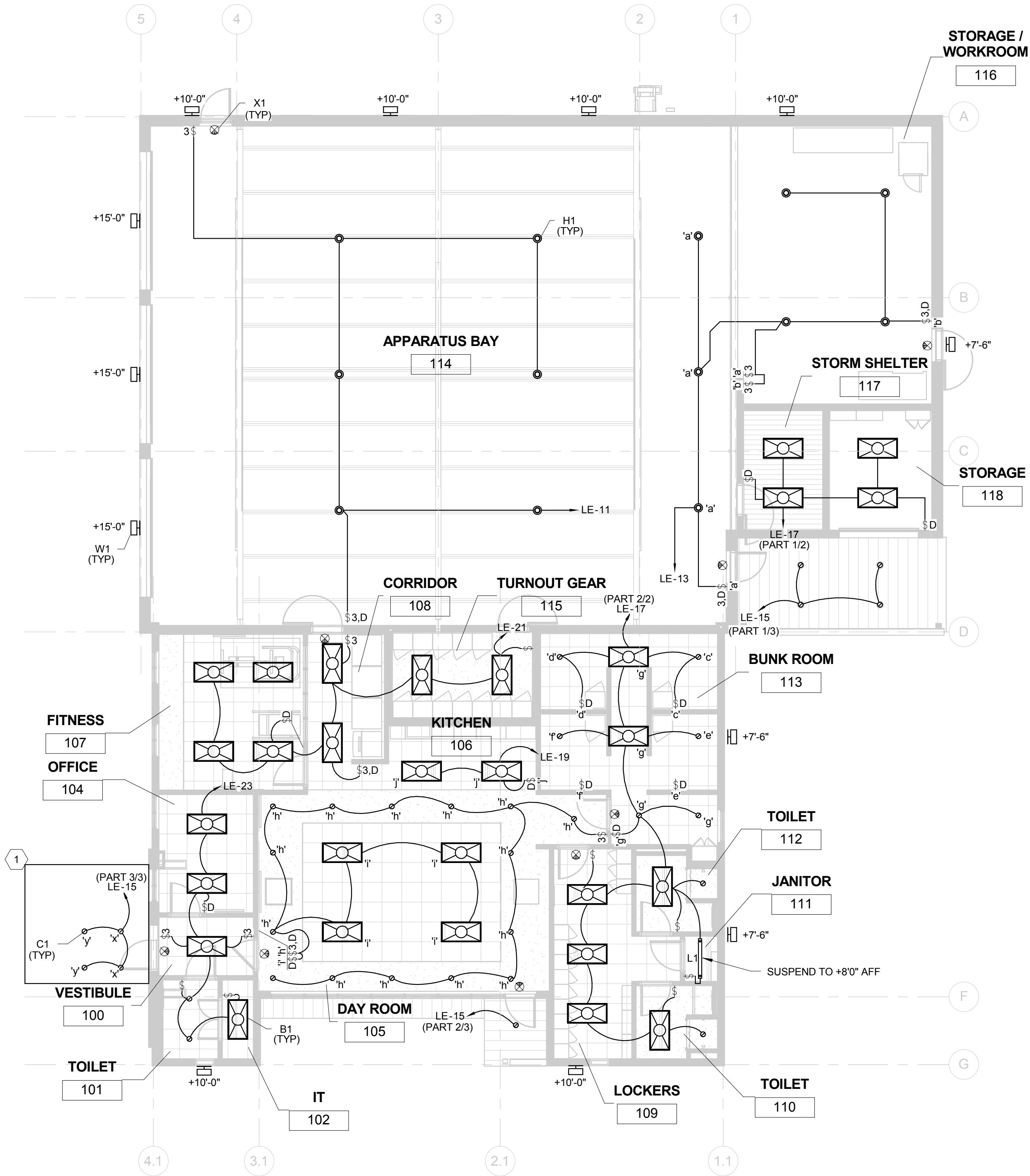
SHEET NUMBER

E100

LIGHT FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER	MODEL #	VOLTAGE	Apparent Load	LAMP	MOUNTING	NOTES	
B1	2x4 LED TROFFER	CREE	CR24 40L 35K 10V	120 V	40 VA	LED	RECESSED		
C1	ROUND 6" LED DOWNLIGHT	GOTHAM	EV0 35/30 6WR MWD LSS 120 EZ10	120 V	37 VA	LED	RECESSED		
FAN	CEILING FANS	TBD	TBD	120 V	100 VA	N/A	SUSPENDED	COORDINATE WITH OWNER	
H1	HIGH BAY LED	EATON	TBLED LD1 8 W UNV L835 CD 1 GM U	120 V	77 VA	LED	SURFACE		
L1	4' LED STRIP	LITHONIA	MNSL MV M6	120 V	24 VA	LED	SUSPENDED		
W1	EXTERIOR WALL PACK	WAC LIGHTING	WP-LED335 50 aBZ	120 V	35 VA	LED	SURFACE		
X1	EXIT SIGN	EATON	EUX7 R SD	120 V	5 VA	LED	SURFACE		

LIGHTING CIRCUITS 'LE-2' AND 'LE-15' SHALL BE ROUTED THROUGH CONTACTOR 'C1'. REF 1-E100 FOR CONTACTOR 'C1' LOCATION. REF 3-E401 FOR EXTERIOR LIGHTING CONTROLS ORDER OF OPERATIONS.

ALL TYPE 'W1' FIXTURES SHALL BE POWERED FROM 'LE-2'.



1 LIGHTING PLAN
SCALE: 1/8" = 1'-0"



ELECTRICAL KEYNOTES
1) BASE BID: PROVIDE 'X' ENTRYWAY LIGHT FIXTURES. BID ALTERNATE #2: PROVIDE 'X' AND 'Y' ENTRYWAY LIGHT FIXTURES.



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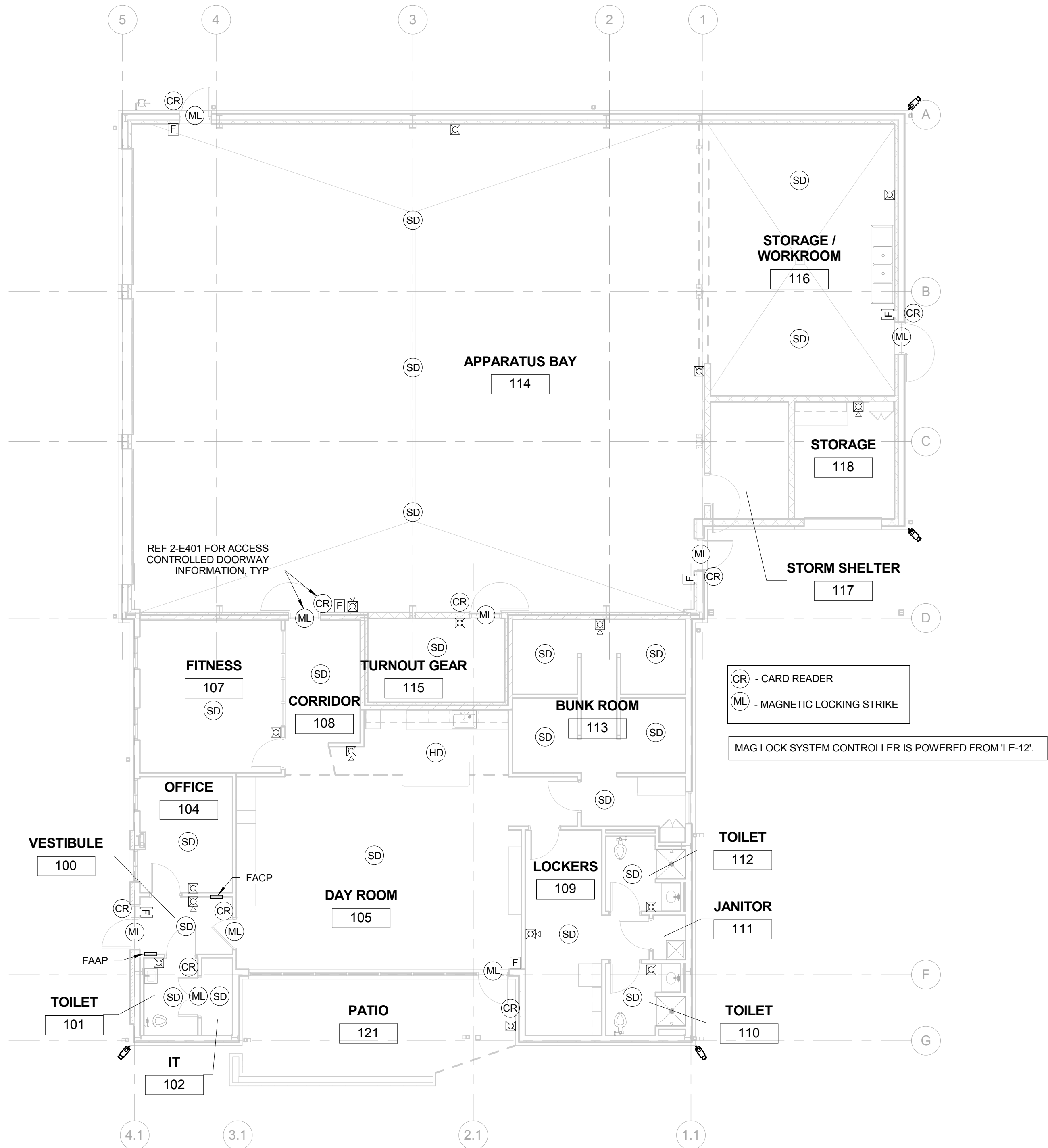
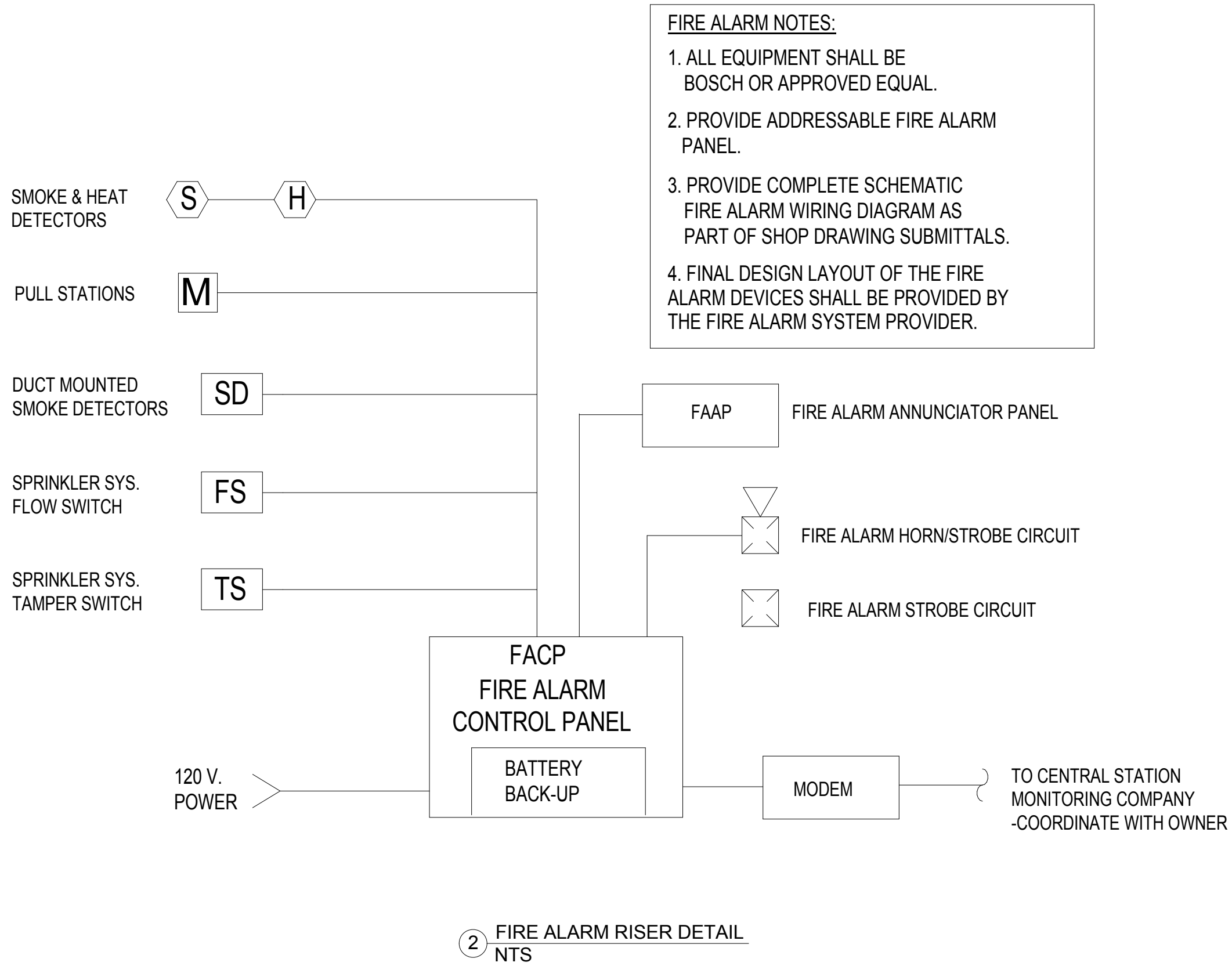
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XX/XX/16
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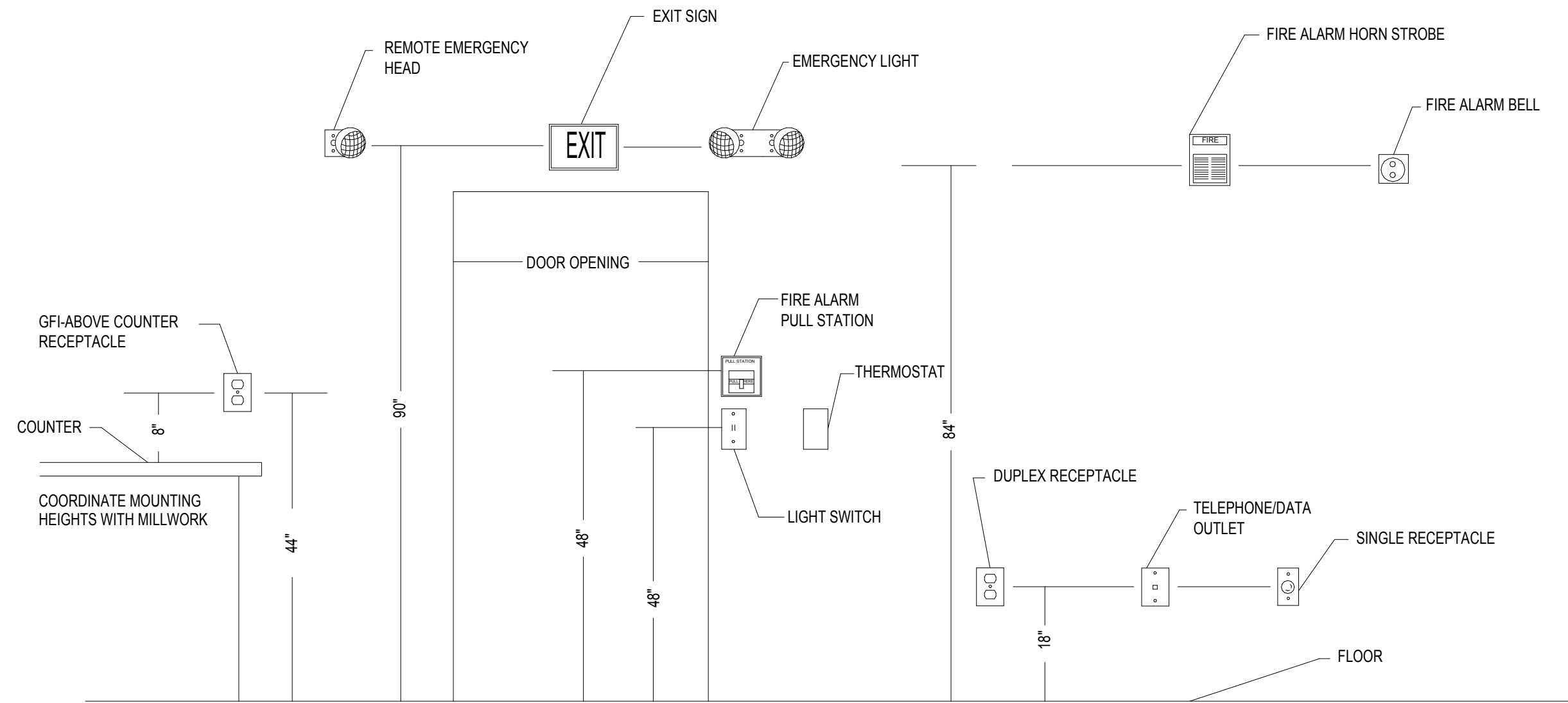
PROJECT NUMBER
1114-01
REVIEWED BY
TS
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LS

TITLE
LIGHTING PLAN

SHEET NUMBER

E200





3 TYPICAL MOUNTING HEIGHT DETAIL
SCALE: NTS

SERVICE NOTES

1. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL SERVICE AND METERING REQUIREMENTS WITH THE UTILITY COMPANY PRIOR TO BID AND SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AS REQUIRED BY THE SERVING UTILITY AS WELL AS COST INCURRED BY SERVING UTILITY.
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE FAULT CURRENT AT THE SECONDARY OF THE TRANSFORMER WITH THE UTILITY COMPANY AND ADJUST THE ELECTRICAL PANEL AIC RATINGS TO THE NEXT HIGHER STANDARD RATING.
3. ALUMINUM SERVICE CONDUCTORS ARE NOT RECOMMENDED AND SHOULD ONLY BE USED WHERE ABSOLUTELY NECESSARY OR REQUIRED BY THE OWNER. CONTRACTOR TO CONTACT ENGINEER FOR SIZING. WHERE ALUMINUM CONDUCTORS ARE USED, THE OWNER SHALL PROVIDE ANNUAL MAINTENANCE OF ALL TERMINATIONS TO ENSURE SECURE CONNECTIONS. ALUMINUM WIRE WILL EXPAND AND CONTRACT AND OVER TIME MAY BECOME BRITTLE. THE OWNER SHALL ASSUME RESPONSIBILITY FOR USING ALUMINUM CONDUCTORS WITHOUT PROPER INSTALLATION, CARE, AND MAINTENANCE.

ELECTRICAL SERVICE

1. COORDINATE ALL SERVICE AND METERING DETAILS INCLUDING ANY RELOCATION OF EXISTING UTILITY LINES WITH POWER COMPANY.
2. CONTRACTOR TO CONFIRM EXACT LOCATION OF METERS WITH ELECTRIC UTILITY.
3. PAY ANY POWER COMPANY FEES CHARGED TO OWNER FOR SERVICE AND UTILITY LINE WORK ASSOCIATED WITH THIS PROJECT. THESE COSTS SHALL BE INCLUDED IN BIDS.
4. FURNISH AND INSTALL MATERIALS FOR A TEMPORARY CONSTRUCTION SERVICE AS REQUIRED.
5. FURNISH AND/OR INSTALL ALL REQUIRED MATERIAL AND LABOR IN COMPLIANCE WITH POWER COMPANY REQUIREMENTS TO PROVIDE A COMPLETE ELECTRICAL SERVICE, INCLUDING TRENCHING AND BACK FILLING, PRIMARY CONDUIT, CONCRETE TRANSFORMER PAD, SECONDARY CONDUITS AND CABLES, C.T. CABINET, METERING AND GROUNDING SYSTEM.

EQUIPMENT LABELS

ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A LABEL APPLIED TO WARN OF POTENTIAL ARC FLASH HAZARDS



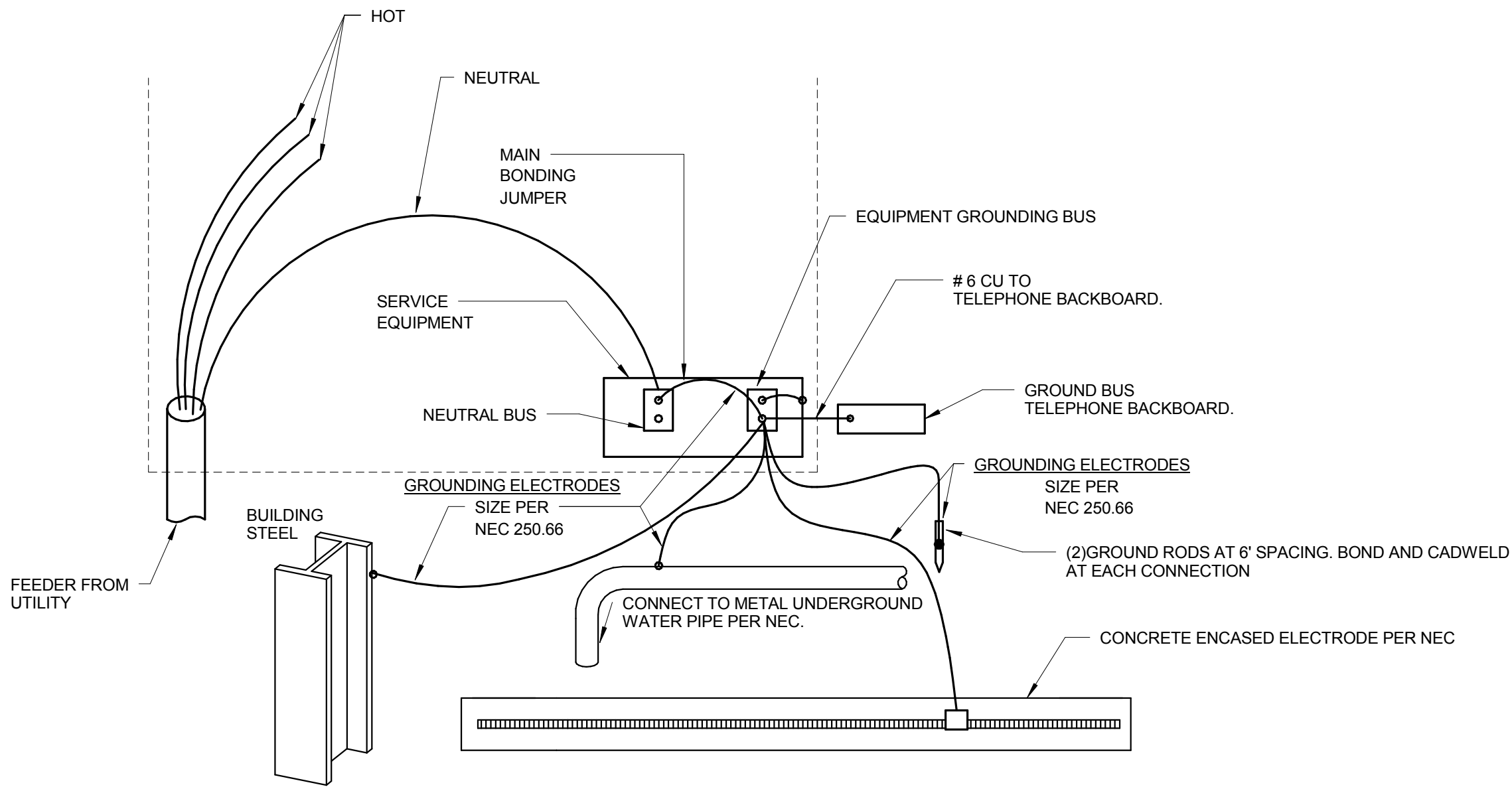
WARNING

ARC FLASH AND SHOCK HAZARD.
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIRED.

NOTES:

- A. ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE A COMMERCIALY PRODUCED PERMANENT LABEL APPLIED, SIMILAR TO THE ABOVE, TO WARN OF POTENTIAL ARC FLASH HAZARDS, IN ACCORDANCE WITH NEC 110.16 AND NFPA 70E.
- B. LABELING MAY BE COMPLETED BY EQUIPMENT MANUFACTURER, EQUIPMENT VENDOR/SUPPLIER, OR THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THAT ALL SWITCHBOARDS AND PANELBOARDS ARE PROPERLY LABELED IN THE FIELD.

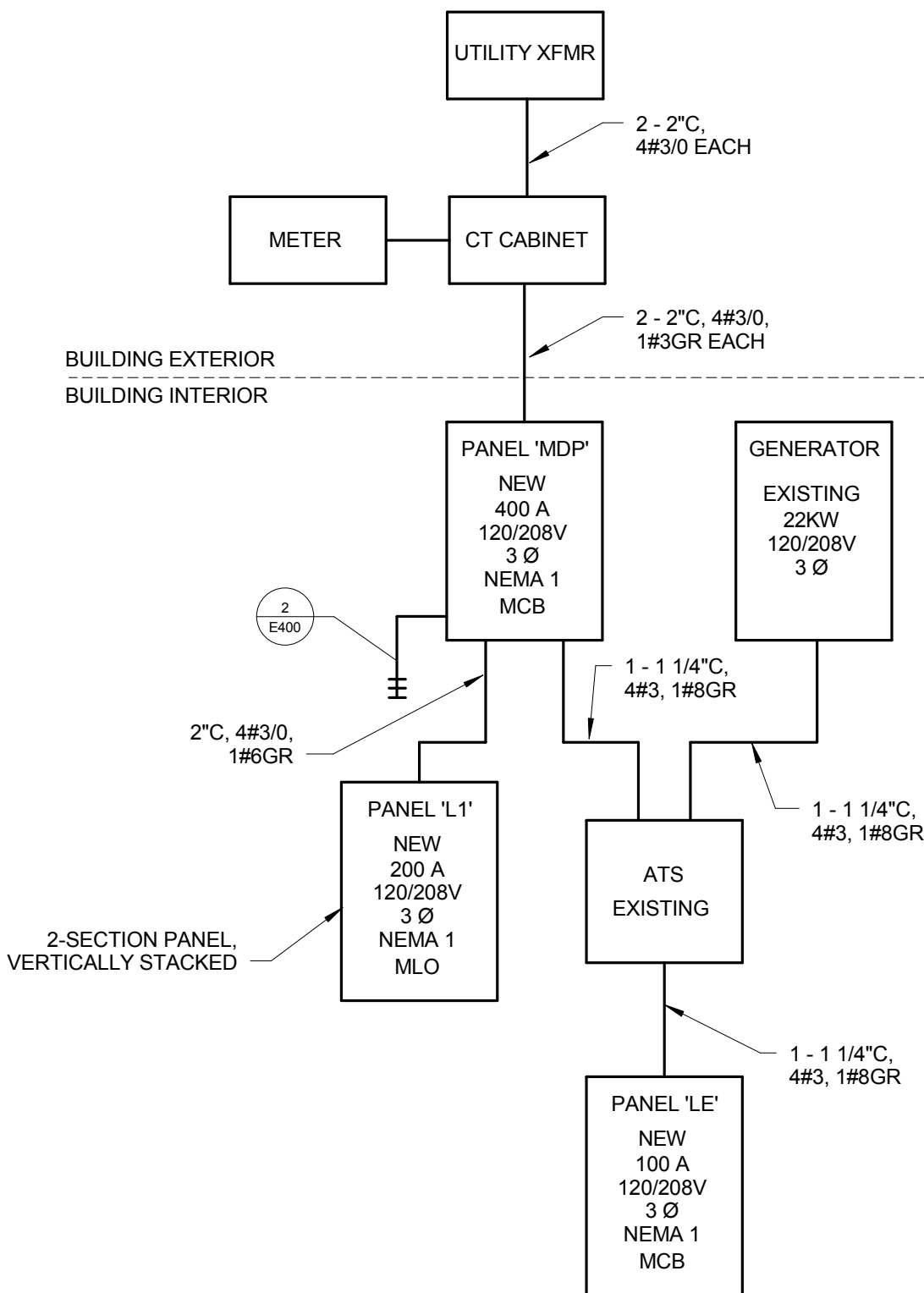
THIS DETAIL IS SCHEMATIC IN NATURE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS.



2 GROUNDING DETAIL
SCALE: NTS

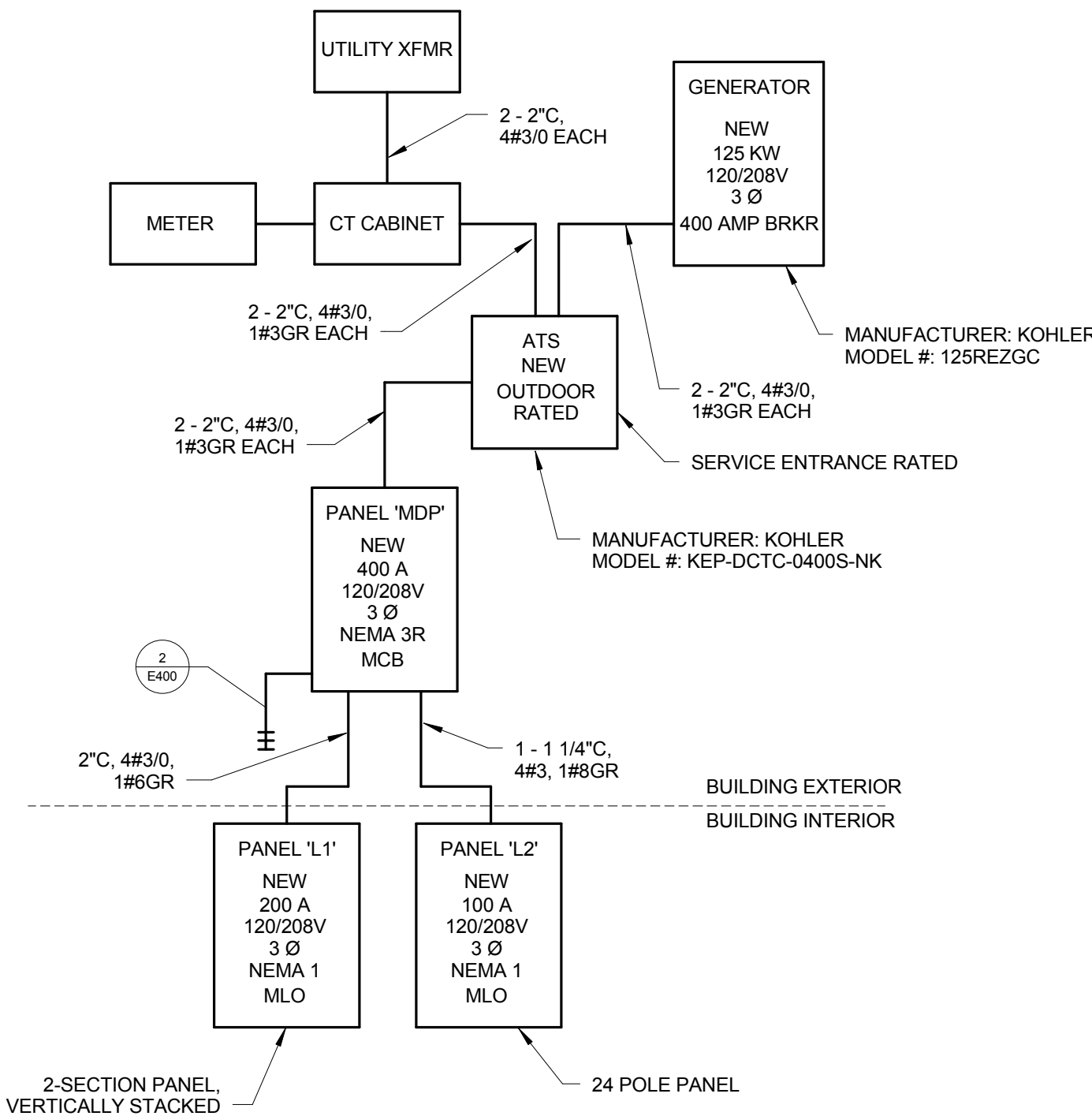
BASE BID

RELOCATE EXISTING GENERATOR



BID ALTERNATE - 1

NEW GENERATOR



1 ELECTRICAL RISER
SCALE: NTS

**FRITZ
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CITY OF SHAWNEE
FIRE STATION NO. 2 REHAB
1401 Bryan Street
Shawnee, Oklahoma

01.09.2017

**FINAL
REVIEW SET**

**NOT FOR
CONSTRUCTION**

ISSUE DATE

XX/XX/16

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ISSUE

DATE

PROJECT NUMBER

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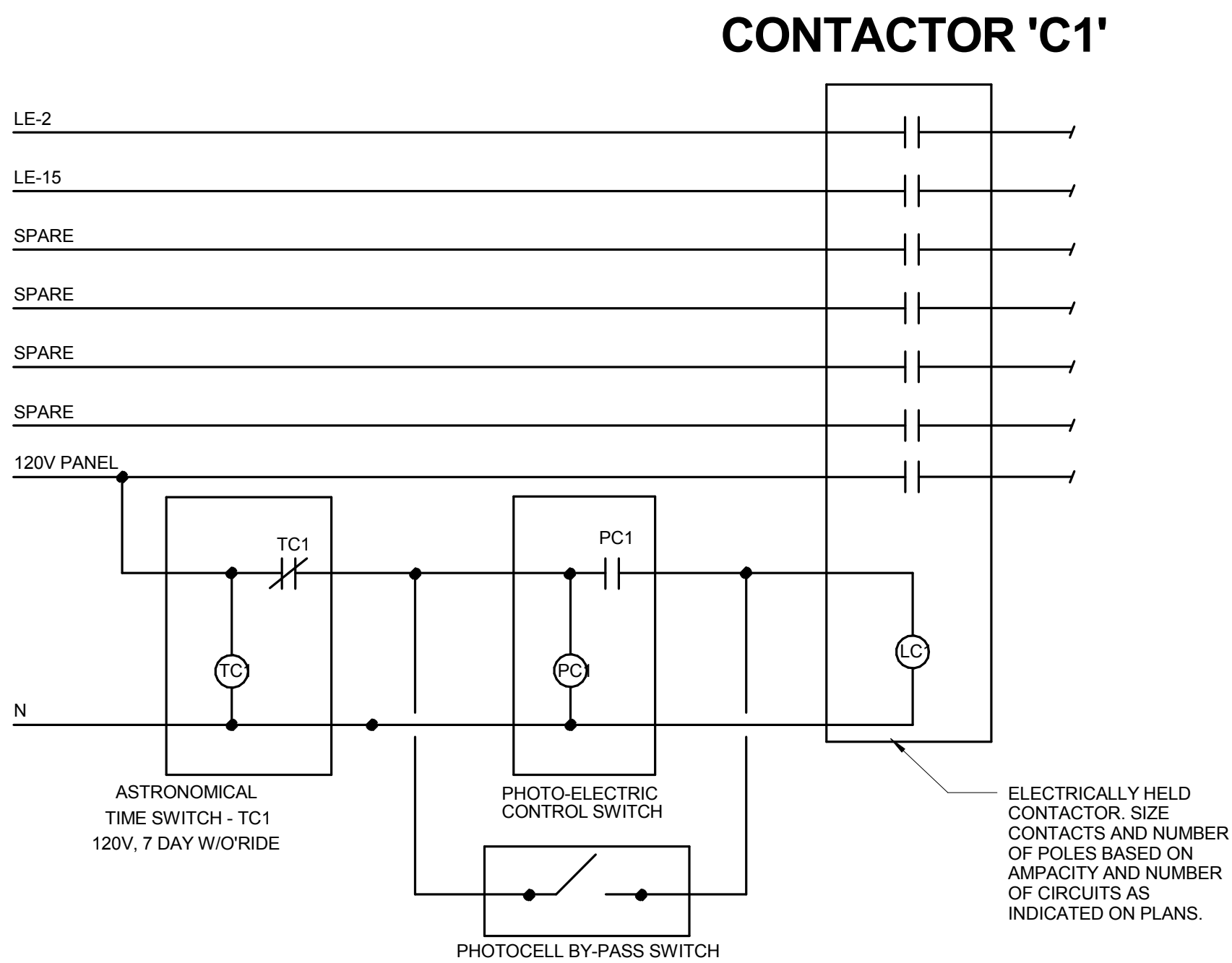
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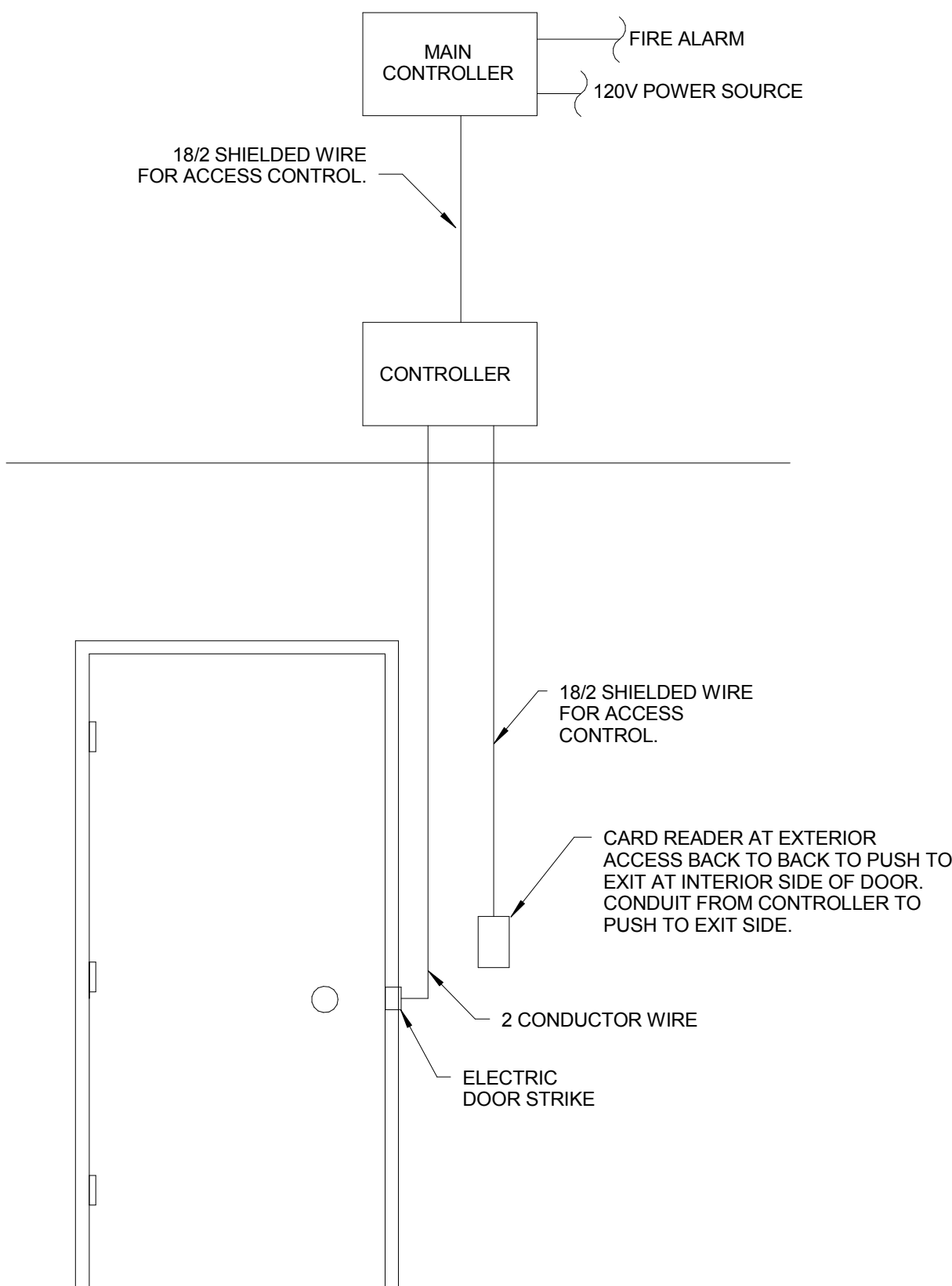
DETAILS

SHEET NUMBER

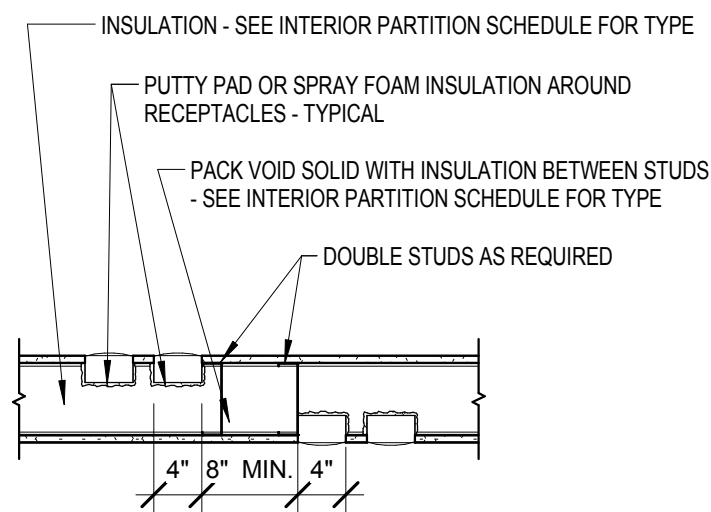
E400



3 EXTERIOR LIGHTING CONTROLS
SCALE: NTS



2 DOOR STRIKE DETAIL
SCALE: NTS



1 BACK TO BACK ELEC DEVICES
SCALE: NTS

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PROJECT NUMBER
REVIEWED BY
DRAWN BY

1114-01
TS
LS

TITLE
**ELECTRICAL
DETAILS**

SHEET NUMBER
E401

Branch Panel: MDP

Location: APPARATUS BAY 114

Supply From: UTILITY

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: REF SERVICE NOTE 2 IN 1-E400

Mains Type: MCB

Mains Rating: 400 A

Notes: SERVICE ENTRANCE RATED

CKT	Circuit Description	Trip	Poles	Wire	A	B	C	Wire	Poles	Trip	Circuit Description	CKT		
1	PANEL 'L1'	200 A	3	(8)	2109...	2867...						2		
3						21381...	2867...			(8)	3	30 A	VEHICLE EXHAUST SYSTEM (2)	4
5							23135...	2867...	--	--	--			6
7	PANEL 'LE' (THRU ATS)	100 A	3	(8)	4897...	0 VA			--	--	SPACE	8		
						3967...	0 VA	--	--	--	SPACE	10		
							3216...	0 VA	--	--	--	SPACE	12	
Total Load:					28858 VA	28214 VA	29217 VA							
Total Amps:					241 A	235 A	244 A							

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	12480 VA	100.00%	12480 VA		
Lighting	3403 VA	125.00%	4254 VA	Total Conn. Load:	86413 VA
Motor	500 VA	105.00%	525 VA	Total Est. Demand:	76187 VA
Power	29890 VA	100.00%	29890 VA	Total Conn. Current:	240 A
Receptacle	26320 VA	65.00%	17108 VA	Total Est. Demand Current:	211 A
Heating	7700 VA	100.00%	7700 VA		
Lighting - Exterior	420 VA	125.00%	525 VA		
Kitchen	5700 VA	65.00%	3705 VA		

Notes:

PANELBOARD NOTES (#)

1. TERMINATE GROUND ON ISOLATED GROUND BUS.
2. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE).
3. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
4. GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
5. GFI BREAKER FOR PERSONNEL PROTECTION (30 mA).
6. CONDUCTOR SIZE SHOWN IN PANEL SCHEDULE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUND PROPORTIONALLY PER NEC. REFERENCE GROUND WIRE SIZING CHART.
7. REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
8. REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
9. FACTORY WIRED TO LOAD.
10. THRU CONTACTOR.
11. ADD CIRCUIT BREAKER TO EXISTING PANEL.

GROUND WIRE SIZING CHART

BRKR AMPS		WIRE SIZE					
15-20	PHASE GROUND	12	10	8	6	4	
		12	10	8	6	4	
25-30	PHASE GROUND	10	8	6	4	3	
		10	8	6	4	3	
35-50	PHASE GROUND	8	6	4	3	2	
		10	8	4	4	4	
60	PHASE GROUND	6	4	3	2	1	
		10	6	6	4	4	
70	PHASE GROUND	6	4	3	2	1	
		8	4	4	3	2	
80-90	PHASE GROUND	4	3	2	1	1/0	
		8	6	4	4	3	
100	PHASE GROUND	3	2	1	1/0	2/0	
		8	6	4		3	
PER NEC 250.122(B)							

Branch Panel: L1

Location: APPARATUS BAY 114
Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SERIES
Mains Type: MLO
Mains Rating: 200 A

Notes: 2-SECTION PANEL, VERTICALLY STACKED

CKT	Circuit Description	Trip	Poles	Wire	A	B	C	Wire	Poles	Trip	Circuit Description	CKT
1	RM 110,111 - RECEPTS	20 A	1		360... 1200...					1	20 A RM 108 - ICE MAKER	2
3						400 VA 1200...				1	20 A RM 108 - REFRIGERATOR	4
5	RM 109 - DRYER (2,6)	30 A	3	#10			400 VA 1200...			1	20 A RM 108 - REFRIGERATOR	6
7					400... 1200...					1	20 A RM 108 - REFRIGERATOR	8
9	RM 109 - WASHER	20 A	2			960 VA 540 VA				1	20 A RM 105 - RECEPTS	10
11							960 VA 540...			1	20 A RM 100,101,102 - RECEPTS	12
13	RM 113 - RECEPTS (AFCI)	20 A	1		680... 360 VA					1	20 A RM 107 - TV'S	14
15	RM 113 - RECEPTS (AFCI)	20 A	1			900 VA 1500...		#10	1	20 A RM 107 - RECEPTS (6)	16	
17	RM 113 - TV'S (AFCI)	20 A	1				1000... 1200...	#10	1	20 A RM 107 - TREADMILL (6)	18	
19	RM 113 - TV'S (AFCI)	20 A	1		360... 360 VA				1	20 A RM 115 - RECEPTS	20	
21	EXTERIOR RECEPTS (6)	20 A	1	#10		540 VA 720 VA			1	20 A RM 114 - BAY RECEPTS	22	
23	RM 105,109 - RECEPTS	20 A	1				720 VA 540...		1	20 A RM 114 - BAY RECEPTS	24	
25	RM 106 - KITCHEN RECEPT (6)	20 A	1	#10	1000... 900 VA				1	20 A RM 114 - BAY RECEPTS	26	
27	RM 106 - KITCHEN RECEPT (6)	20 A	1	#10		1000... 1200...			1	20 A RM 114 - CORD REEL RECEPT	28	
29	RM 106 - GARBAGE DISPOSAL	15 A	1				1200... 1200...		1	20 A RM 114 - CORD REEL RECEPT	30	
31	RM 106 - KITCHEN RECEPT	20 A	1		1000... 1200...				1	20 A RM 114 - CORD REEL RECEPT	32	
33	RM 106 - KITCHEN RECEPT	20 A	1			1000... 500 VA			1	25 A RM 116 - DRYER RACK	34	
35	RM 106 - HOOD	15 A	1				500 VA 360...		1	20 A RM 116 - RECEPTS	36	
37					167... 540 VA				1	20 A RM 117 - SHELTER RECEPT	38	
39	RM 116 - WASHER/EXTRACTOR (2)	40 A	3	#8		167 VA 540 VA		#10	1	20 A EXTERIOR RECEPTS (6)	40	
41							167 VA 1500...	#10	1	20 A RM 114 - OVERHEAD FANS	42	
43	RM 117 - RECEPT	20 A	1		180... 1872...				#8	2	30 A EXTERIOR - CU-1	44
45						3333... 1872...						46
47	RM 116 - SCUBA REFILL STATION (2)	35 A	3	#8	3333... 2496...		3333... 2496...	#6	2	40 A EXTERIOR - CU-2	48	
49												50
51	RM 105 - FU-1	15 A	1			500 VA 1872...		#8	2	30 A EXTERIOR - CU-3	52	
53	RM 105 - FU-2	15 A	1				500 VA 1872...					54
55	RM 105 - FU-3	15 A	1		500... 500 VA				1	20 A RM 106 - RANGE (2)	56	
57						1667... 200 VA			1	20 A RM 105 - CEILING FANS	58	
59	RM 116 - EH-1 (6)	20 A	3	#10			1667... 100...		1	20 A RM 107,115 - CEILING FANS	60	
61					1667... 200 VA				1	20 A RM 113 - CEILING FANS	62	
63	RM 116 - EF-1	15 A	1			50 VA 500 VA			1	15 A RM 111 - EF-6	64	
65	RM 117 - EF-2	15 A	1				60 VA 0 VA	--	1	20 A SPARE	66	
67	RM 118 - EF-3	15 A	1		60 VA 0 VA			--	1	20 A SPARE	68	
69	RM 115 - EF-4	15 A	1			60 VA 0 VA		--	1	20 A SPARE	70	
71	RM 112 - EF-5	15 A	1				60 VA 0 VA	--	1	20 A SPARE	72	
73	RM 101 - EF-7	15 A	1		60 VA 0 VA			--	1	20 A SPARE	74	
75	RM 102 - EF-8	15 A	1			60 VA 0 VA		--	1	20 A SPARE	76	
77	RM 110 - EF-9	15 A	1				60 VA 0 VA	--	1	20 A SPARE	78	
79	RM 111 - GWH-1 (2)	20 A	1		500... 0 VA			--	1	20 A SPARE	80	
81	RM 114 - CONTACTOR C1	15 A	1			100 VA 0 VA		--	1	20 A SPARE	82	
83	GENERATOR HEATER (6)	20 A	1	#8			1500... 0 VA	--	1	20 A SPARE	84	
Total Load:					21095 VA	21381 VA	23135 VA					
Total Amps:					176 A	179 A	193 A					

Branch Panel: LE

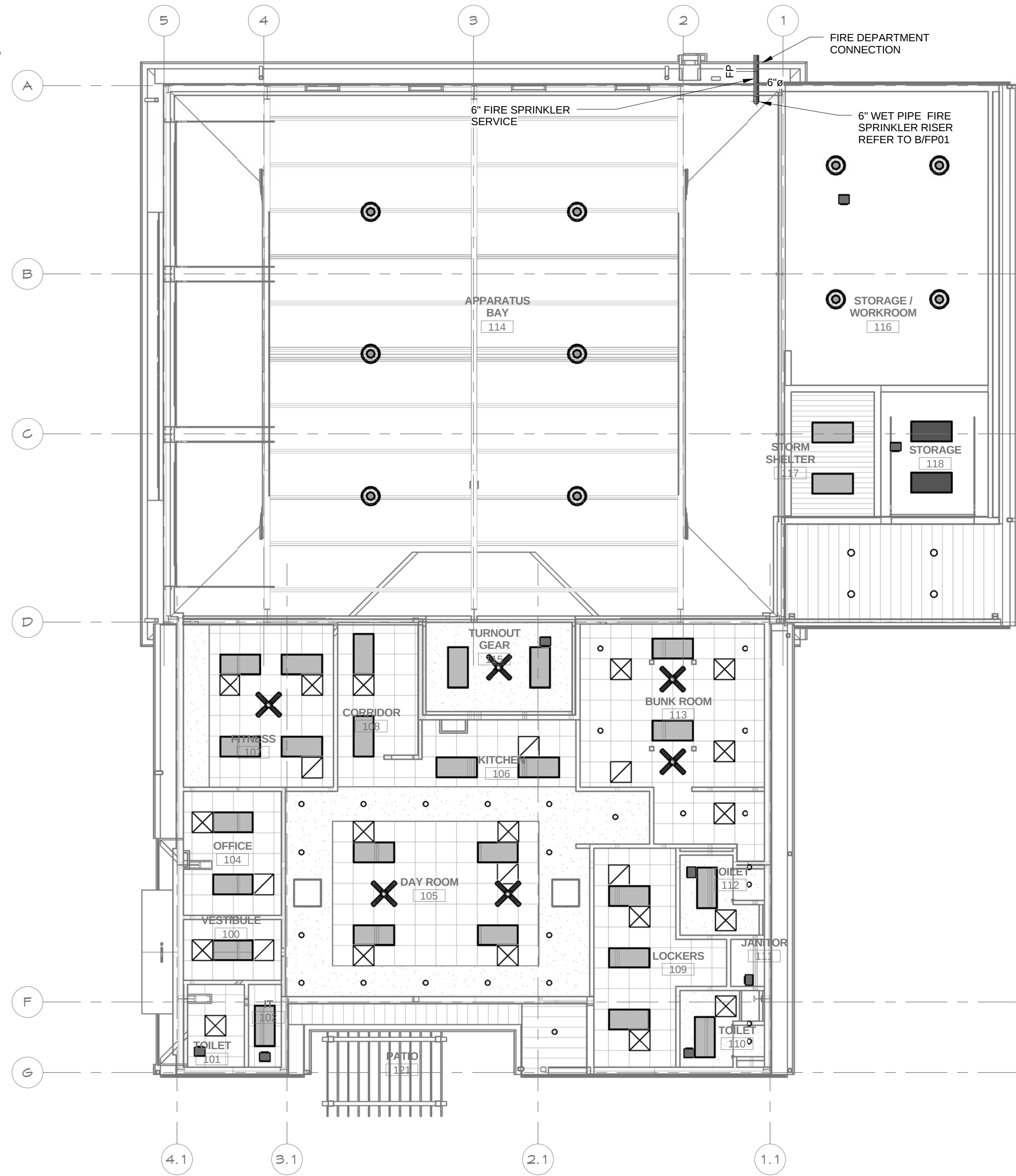
Location: APPARATUS BAY 114
Supply From: MDP / GENERATOR
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SERIES
Mains Type: MCB
Mains Rating: 100 A

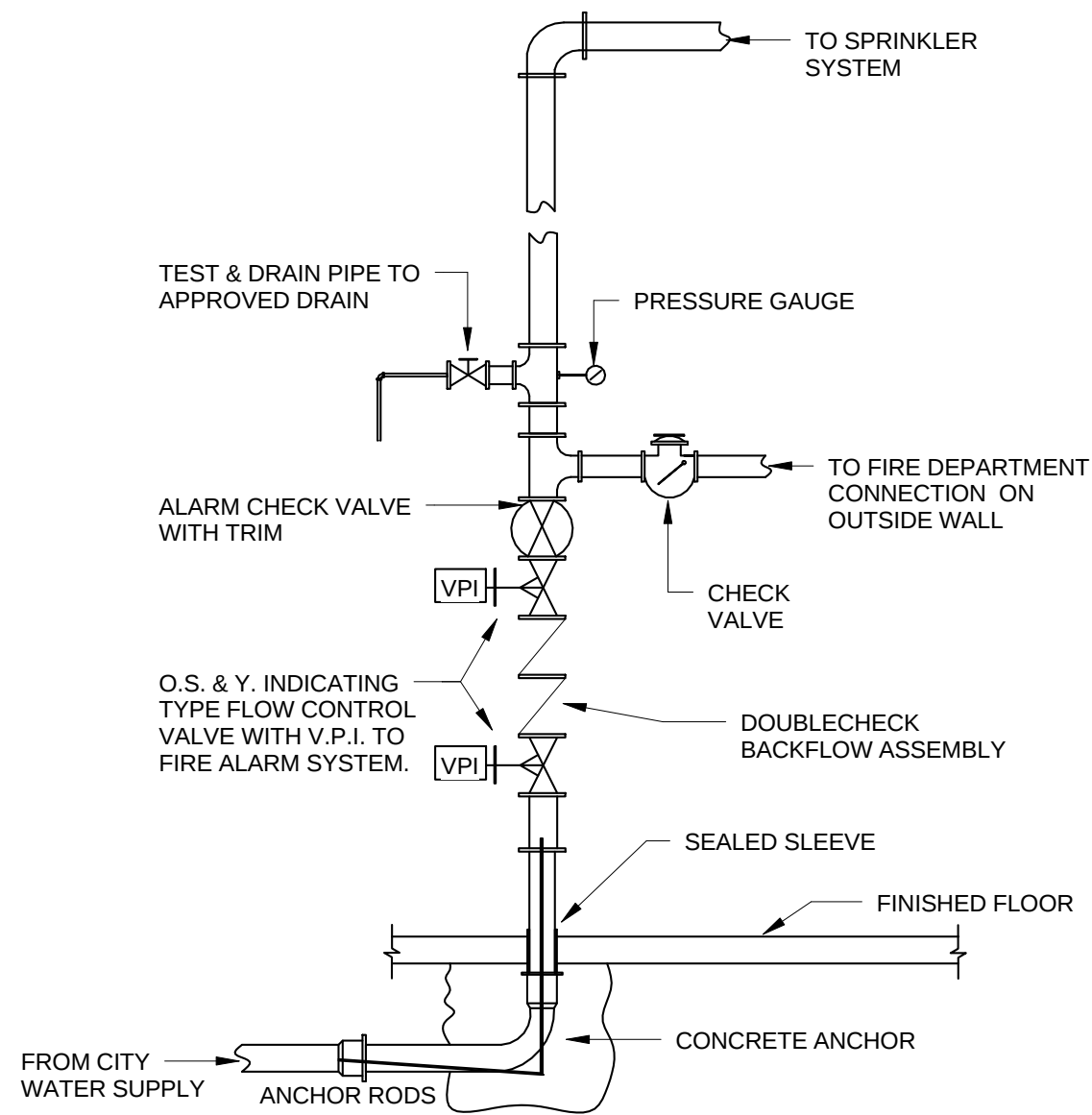
Notes: EMERGENCY PANEL (BECOMES 'L2' IN 'BID ALTERNATE - 2')

CKT	Circuit Description	Trip	Poles	Wire	A	B	C	Wire	Poles	Trip	Circuit Description	CKT	
1	RM 105 - TV'S	20 A	1		1000...	420 VA				1	20 A	EXTERIOR WALL PACK LTG (6,10)	2
3	RM 105 - COMPUTER QUAD	20 A	1			500 VA	500 VA			1	20 A	RM 114 - OVERHEAD DOOR (2)	4
5	RM 102 - I.T. BOARD QUAD (6)	20 A	1	#10			1200...	500...		1	20 A	RM 114 - OVERHEAD DOOR (2)	6
7	RM 102 - I.T. BOARD QUAD (6)	20 A	1	#10	1200...	500 VA				1	20 A	RM 114 - OVERHEAD DOOR (2)	8
9	RM 104 - RECEPTS (6)	20 A	1	#10		1180...	1200...		#10	1	20 A	RM 114 - RADIANT HEATERS (2,6)	10
11	RM 104 - LIGHTING	20 A	1	#10			462 VA	100...		1	20 A	RM 102 - FACP (3)	12
13	RM 114,116 - LTG	20 A	1		539...	500 VA				1	20 A	CONTROLLED ACCESS DOORS	14
15	EXTERIOR ENTRY LTG (10)	20 A	1			333 VA	0 VA		--	--	--	SPACE	16
17	RM 109,110,111,112,113,117,118 - LTG	20 A	1				760 VA	0 VA	--	--	--	SPACE	18
19	RM 106 - LTG (6)	20 A	1	#10	795...	0 VA			--	--	--	SPACE	20
21	RM 107,108,115 - LTG	20 A	1			280 VA	0 VA		--	--	--	SPACE	22
23	RM 100,101,104 - LTG	20 A	1				234 VA	0 VA	--	--	--	SPACE	24
Total Load:					4954 VA	3993 VA	3256 VA						
Total Amps:					42 A	34 A	27 A						
Legend:													
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Lighting		3403 VA		125.00%		4254 VA							
Power		2100 VA		100.00%		2100 VA		Total Conn. Load: 12203 VA					
Receptacle		5080 VA		65.00%		3302 VA		Total Est. Demand: 11381 VA					
Heating		1200 VA		100.00%		1200 VA		Total Conn. Current: 34 A					
Lighting - Exterior		420 VA		125.00%		525 VA		Total Est. Demand Current: 32 A					



A FIRE PROTECTION
SCALE: 1/8" = 1'-0"
NORTH

- ### FIRE SPRINKLER GENERAL NOTES
1. RUN ALL PIPING PARALLEL OR PERPENDICULAR TO STRUCTURE IN ALL AREAS. SPRINKLER CONTRACTOR SHALL COORDINATE LOCATION OF HORIZONTAL SPRINKLER PIPING WITH OTHER TRADES TO MISS ALL LIGHT FIXTURES, DUCTS, VAV BOXES, AIR DIFFUSERS AND ALL OTHER ITEMS WHERE CEILING CLEARANCES ARE CLOSE.
 2. DESIGN, FABRICATE, INSTALL THE FIRE PROTECTION AUTOMATIC SPRINKLER SYSTEM IN AN ACCEPTABLE MANNER TO THE STATE HEALTH DEPARTMENT, LOCAL FIRE MARSHALL AND THE ARCHITECT/ENGINEER.
 3. PAY ALL PERMITS, LICENSES, FEES, DEPOSITS AND CHARGES IN CONNECTION WITH THE WORK, EXCEPT AS NOTED HEREIN. SECURE ALL NECESSARY APPROVALS.
 4. DESIGN AND INSTALL THE SYSTEM PER THE REQUIREMENTS OF NFPA-13. ALL DEFICIENCIES SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR AND ANY DEVIATIONS FROM THE REQUIREMENTS IN NFPA-13 AND/OR THE APPROVED PLANS SHALL REQUIRE SPECIAL PERMISSION FROM THE ARCHITECT.
 5. COMPLY WITH ALL RULES, REGULATIONS, LAWS AND ORDINANCES OF THE STATE, LOCAL, CITY OR COUNTY AUTHORITIES AND UTILITY COMPANIES.
 6. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED, FABRICATED, INSTALLED AND TESTED BY AN EXPERIENCED CONTRACTOR APPROVED BY THE ARCHITECT AND LICENSED BY THE STATE TO PERFORM SUCH WORK.
 7. SUBMIT SHOP DRAWINGS TO THE ARCHITECT AND THE OWNER'S INSURANCE COMPANY FOR APPROVAL. BEFORE BEING SENT TO THE ARCHITECT, ALL SHOP DRAWINGS MUST BEAR THE INSURANCE SERVICE OFFICES (ISO) STAMP OF ACCEPTANCE AND THE LOCAL AHJ STAMP OF APPROVAL.
 8. SUBMIT COMPLETE LAYOUT DRAWING OF OVERHEAD SPRINKLER SYSTEM AND RELATED EQUIPMENT INDICATING RELATIONSHIP OF ALL THE OVERHEAD ITEMS INCLUDING CEILING AIR DIFFUSERS, LIGHTING FIXTURES, BEAMS AND ALL OTHER ITEMS. ALL SPRINKLER HEADS SHALL BE SPACED PER NFPA.
 9. PROVIDE SPRINKLER HEAD(S) FOR EACH ROOM/SPACE FOR COMPLETE PROTECTION UNLESS NOTED OTHERWISE ON PLANS.
 10. A CORROSIVE-RESISTANT PLACARD SHALL BE PLACED ON THE BASE OF THE RISER STATING THE DESIGN CRITERIA AND RESULTING DEMAND AT THE BASE OF THE RISER, INCLUDING HOSE STREAM ALLOWANCES. ALL PIPING, FITTINGS, HANGERS, VALVES, AND DEVICES ARE TO COMPLY WITH NFPA NO. 13.
 11. PROVIDE FULLY RECESSED CONCEALED SPRINKLER HEADS IN ALL GYPSUM BOARD CEILINGS



B FIRE PROTECTION RISER
SCALE: N.T.S.

FRITZ
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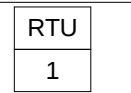
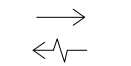
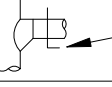
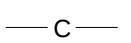
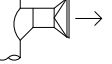
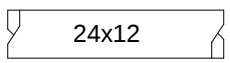
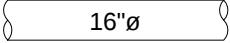
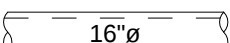
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ISSUE DATE
01/09/17
ISSUE DATE

PROJECT NUMBER
1114-01
REVIEWED BY
JRK
DRAWN BY
MSB

TITLE
FIRE PROTECTION

SHEET NUMBER
FPO 1

MECHANICAL LEGEND			
	THERMOSTAT (MOUNTED AT 48" A.F.F)		EXHAUST GRILLE (CEILING MOUNTED)
	TEMPERATURE SENSOR (MOUNTED AT 48" A.F.F)		SUPPLY DIFFUSER (CEILING MOUNTED)
CFM NECK 	DIFFUSER CALLOUT TAG		RETURN GRILLE (CEILING MOUNTED)
	EQUIPMENT OR DEVICE TAG		DUCT MOUNTED SMOKE DETECTOR
	AIR FLOW ARROW		MANUAL BALANCE DAMPER
	CONDENSATE PIPE		SIDEWALL AIR DEVICE
	REFRIGERANT PIPE		RECTANGULAR DUCT (FIRST DIMENSION, SIDE SHOWN)
B.O.D.	BOTTOM OF DUCT		ROUND DUCT
B.O.B.	BOTTOM OF BEAM		DOUBLE WALL ROUND DUCT
A.F.F.	ABOVE FINISHED FLOOR	CFM	STANDARD CUBIC FEET PER MINUTE
A.F.G.	ABOVE FINISHED GRADE	FD 	FIRE DAMPER
	MOTORIZED DAMPER		HUMIDISTAT (MOUNTED AT 48" A.F.F)

HVAC DEMOLITION GENERAL NOTES
1. DEMOLISH EXISTING SYSTEMS, EQUIPMENT, ETC. AS NECESSARY TO MAKE WAY FOR NEW CONSTRUCTION. AVOID DISRUPTION OF SERVICES DURING NORMAL BUSINESS HOURS. ALL SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH BUILDING OWNER AND SCHEDULED AFTER NORMAL BUSINESS HOURS OR AS OTHERWISE APPROVED BY OWNER
2. PRIOR TO DEMOLITION, FIELD VERIFY AND IDENTIFY ANY EXISTING EQUIPMENT TO REMAIN IN SERVICE BY SYSTEMS SHOWN TO BE DEMOLISHED. NOTIFY ENGINEER OF ANY SUCH CONDITIONS AND REMOVE AND/OR RELOCATE THE SERVICES AS DIRECTED.
3. MEET WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING MATERIALS, SYSTEMS, EQUIPMENT, ETC., ARE CONSIDERED SALVAGE OR DEBRIS. REMOVE DEBRIS FROM SITE AND DISPOSE OF IN AN APPROVED MANNER AS DIRECTED BY THE OWNER/GENERAL CONTRATOR.
4. REMOVE ALL UNUSED DUCTWORK, TRASH AND NON-PLENUM RATED MATERIALS FROM CEILING PLENUM.
5. PROVIDE TEMPORARY FILTER ON RETURN AIR GRILLES AND OPENINGS DURING CONSTRUCTION.
6. CLEAN SURFACES AND REPAINT AS NECESSARY TO RESTORE FINISH TO NEW ALL DIFFUSERS AND GRILLES NOTED TO BE REUSED.

HVAC GENERAL NOTES
1. SUBMISSION OF PROPOSAL IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH HE WILL BE OBLIGATED TO OPERATE SHOULD HE BE AWARDED THE WORK UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
2. ALL RECTANGULAR DUCT SIZES SHOWN ARE THE OUTSIDE METAL DIMENSIONS. DUCT DIMENSIONS ALREADY HAVE ALLOWANCES FOR THE INSULATION LINER WHERE APPLICABLE IN THE RECTANGULAR DUCTS. AT DUAL WALL DUCTS, THE DIMENSION SHOWN IS THE OUTSIDE METAL DUCT SIZE AND ALREADY HAVE ALLOWANCES FOR THE INSULATION THICKNESS.
3. ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES, RULES, REGULATIONS, AND ORDINANCES, WHICH SHALL TAKE PRECEDENCE OVER THE PLANS IF CONFLICTS EXIST BETWEEN THEM.
4. THE DRAWINGS INDICATE THE GENERAL LAYOUT REQUIREMENTS FOR EQUIPMENT, FIXTURES, PIPING, DUCTWORK, ETC. FINAL LAYOUT SHALL BE MODIFIED TO FIT ACTUAL SITE CONDITIONS.
5. COORDINATE ALL WORK WITH THE OWNER AND ALL OTHER CONTRACTORS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION OF ANY OWNER FURNISHED ITEMS.
6. IN CASES OF EQUIPMENT SUBSTITUTION, CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL SYSTEMS AND COMPONENTS WILL FIT PROPERLY PRIOR TO FABRICATION OR ORDERING. INSTALLED DUCTS MAY BE RESIZED BY THE CONTRACTOR TO FIT FIELD CONDITIONS AS LONG AS THE INSTALLED DUCTS SHALL HAVE EQUAL FRICTION LOSS TO THOSE SHOWN. RECTANGULAR DUCTS SHALL NOT BE CHANGED TO ROUND DUCTS. PROVIDE COMPLETE SHEET METAL SHOP DRAWINGS TO ENGINEER SHOWING ACTUAL DUCT SIZES, ARRANGEMENTS, AND UNIT LOCATIONS TO BE INSTALLED. THIS SHALL BE DONE PRIOR TO FABRICATION OR INSTALLATION.
7. PROVIDE BALANCE DAMPERS AT ALL SUPPLY AND RETURN DUCT RUNOUTS TO GRILLES AND DIFFUSERS. LOCATE AS FAR AS POSSIBLE FROM GRILLES IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS PANELS IN SOLID WALLS AND CEILINGS FOR BALANCING DAMPERS.
8. USE FLEX DUCTS FOR DUCT RUNOUTS TO CEILING DIFFUSERS, EXCEPT USE RIGID ELBOW FOR FINAL CONNECTION TO ALL CEILING DIFFUSERS. LIMIT TO 6' MAX. LENGTHS, EXCEPT NO FLEX DUCT ALLOWED ABOVE GYP. CEILINGS.
9. PROVIDE A COMPLETE AND OPERATING MECHANICAL SYSTEM, INCLUDING ALL INCIDENTAL ITEMS AND CONNECTIONS NECESSARY FOR PROPER OPERATION OR CUSTOMARLY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM MAY NOT BE INDICATED.
10. REFER TO ARCH. PLANS AND DETAILS FOR EXACT LOCATION OF ALL WALL AND CEILING MOUNTED DEVICES. ADJUST LOCATION OF SIDEWALL DEVICES AS NECESSARY TO AVOID INTERFERENCE WITH MOLDING OR OTHER ELECTRICAL DEVICES.
11. WHERE CONDUIT, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE SLEEVES SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY LOCAL AUTHORITIES HAVING JURISDICTION (AHJ) AS BEING SUITABLE FOR THIS SERVICE SUCH AS DOWN CORNING CORP "SILICONE ELASTOMER, RTV FOAM, OR SIMILAR MATERIAL TO MAINTAIN FIRE RATING OF THE WALL OR FLOOR.
12. CONTRACTOR SHALL NOT INSTALL ANY MAINTENANCE ITEMS ABOVE HARD CEILINGS. THIS SHALL INCLUDE VALVES, DAMPERS, OR ANY OTHER ITEMS THAT REQUIRE ACCESS AFTER CONSTRUCTION IS COMPLETED. IF INSTALLATION ABOVE A HARD CEILING OF THESE ITEMS CANNOT BE AVOIDED, THEN PROVIDE CEILING ACCESS DOORS EQUAL TO ACUDOR MODEL FW-505 WHERE REQUIRED. AT FIRE-RATED WALLS, USE EQUIVALENT OF ACUDOR MODEL FB-5060. MINIMUM SIZE SHALL BE 12"x12". USE 18"x18" WHEN PERSONNEL ACCESS IS REQUIRED. COORDINATE WITH ARCHITECT PRIOR TO START OF WORK.
13. PROVIDE AN INSULATED BACK ON ALL THERMOSTATS AND TEMPERATURE SENSORS THAT ARE MOUNTED ON CMU OR HOLLOW WALLS. PROVIDE SHALLOW DEVICE EXTENSION BOX BEHIND T-STATS AND SENSORS ON MASONRY WALLS.
14. MECHANICAL CONTRACTOR SHALL INSTALL DUCT MOUNTED SMOKE DETECTORS PROVIDED BY FIRE ALARM CONTRACTOR. REFER TO ELECTRICAL NOTES FOR EXACT REQUIREMENTS. MECHANICAL CONTRACTOR SHALL IDENTIFY A SET OF TERMINALS FOR EQUIPMENT SHUTDOWN ON ALL FAN POWERED EQUIPMENT REQUIRING SHUTDOWN CONTROLS. FIRE ALARM CONTRACTOR SHALL WIRE FROM DUCT MOUNTED SMOKE DETECTOR TO SHUTDOWN TERMINALS TO SHUT DOWN FAN OPERATION WHEN SMOKE IS DETECTED.
15. ANY PVC PIPE PENETRATION OF FIRE RATED ASSEMBLY SHOULD BE EXTERNALLY SLEEVED WITH STEEL, FERROUS, OR COPPER MATERIALS, SECURELY FASTENED TO THE FIRE RATED ASSEMBLY, AND ANY SPACE BETWEEN THE SLEEVE AND THE ASSEMBLY PENETRATED SHALL BE PROTECTED USING MATERIAL THAT CONFORMS TO ASTM E 814 OR UL 1479, SUCH AS FIRE STOP FS-1900 OR FLAME STOPPER 5000.

CITY OF SHAWNEE

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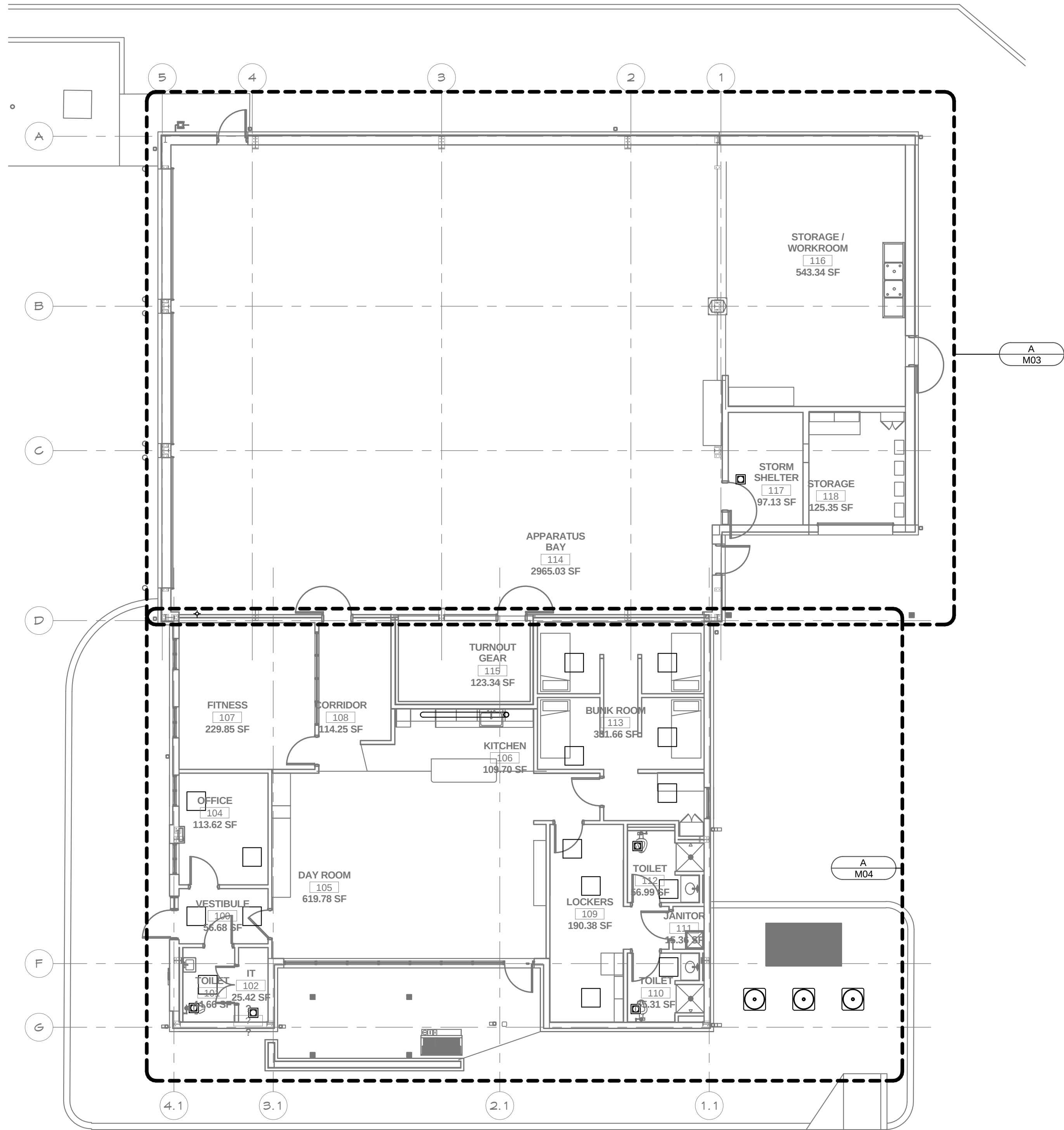
Shawnee, Oklahoma

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REVIEW

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ISSUE DATE	01/09/17	DATE
PROJECT NUMBER	1114-01	
DESIGNED BY	JK	
DRAWN BY	MSB	
TITLE	MECHANICAL NOTES AND LEGENDS	
SHEET NUMBER	MO 1	



B HVAC PLAN
SCALE: 1/8" = 1'-0"
NORTH

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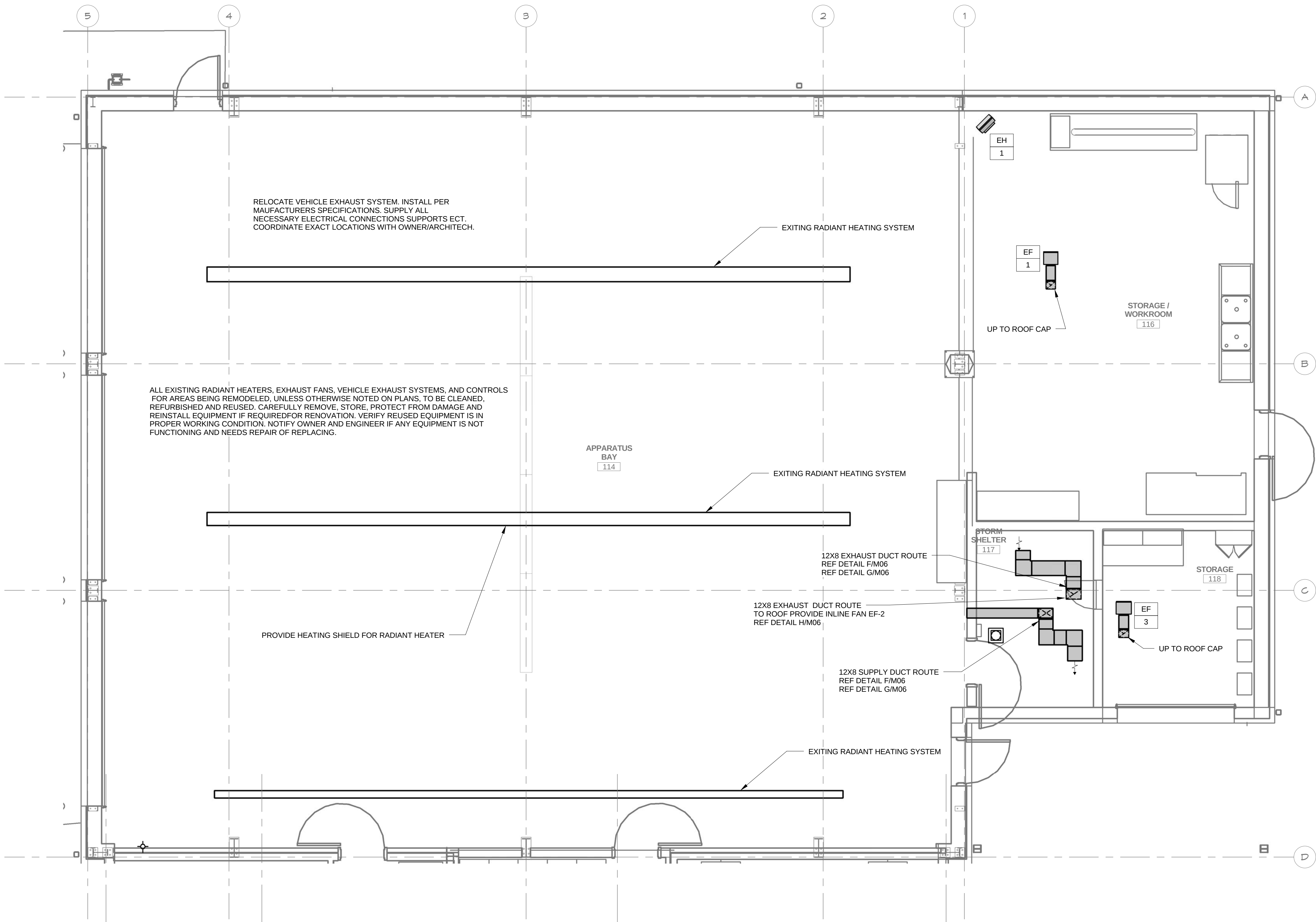
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DRAWN BY MSB

TITLE
**OVERALL PLAN
AND HVAC PLAN**

SHEET NUMBER
M02



A HVAC PLAN - NORTH
SCALE: 1/4" = 1'-0" REF: B / M02



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TITLE
ENLARGED HVAC
PLAN (NORTH)

SHEET NUMBER
M03

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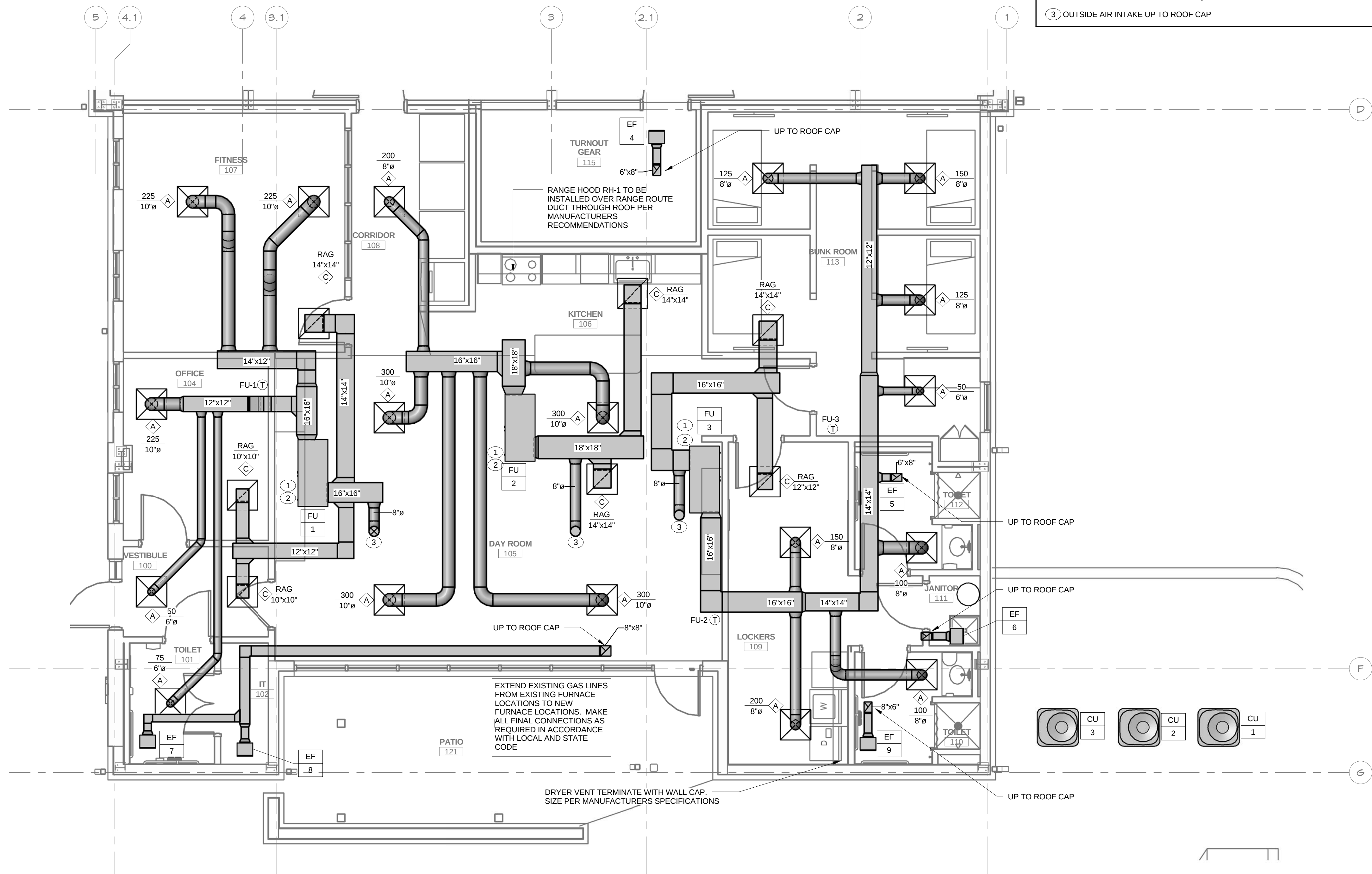
TITLE
**ENLARGED HVAC
PLAN (SOUTH)**

SHEET NUMBER

M04

MECHANICAL KEY NOTES

- ROUTE CONDENSATE FROM FURNACE UNITS TO NEAREST FLOOR DRAIN, FLOOR SINK OR MOP SINK. ROUTE CONDENSATE PER CODE REQUIREMENTS AND MANUFACTURER INSTRUCTIONS
- COMBUSTION FLUE THROUGH ROOF PROVIDE GOOSE NECK WITH BIRD SCREEN. PER MANUFACTURER REQUIREMENTS
- OUTSIDE AIR INTAKE UP TO ROOF CAP



HVAC PLAN - SOUTH

SCALE: 1/4" = 1'-0"

REF: B / M02

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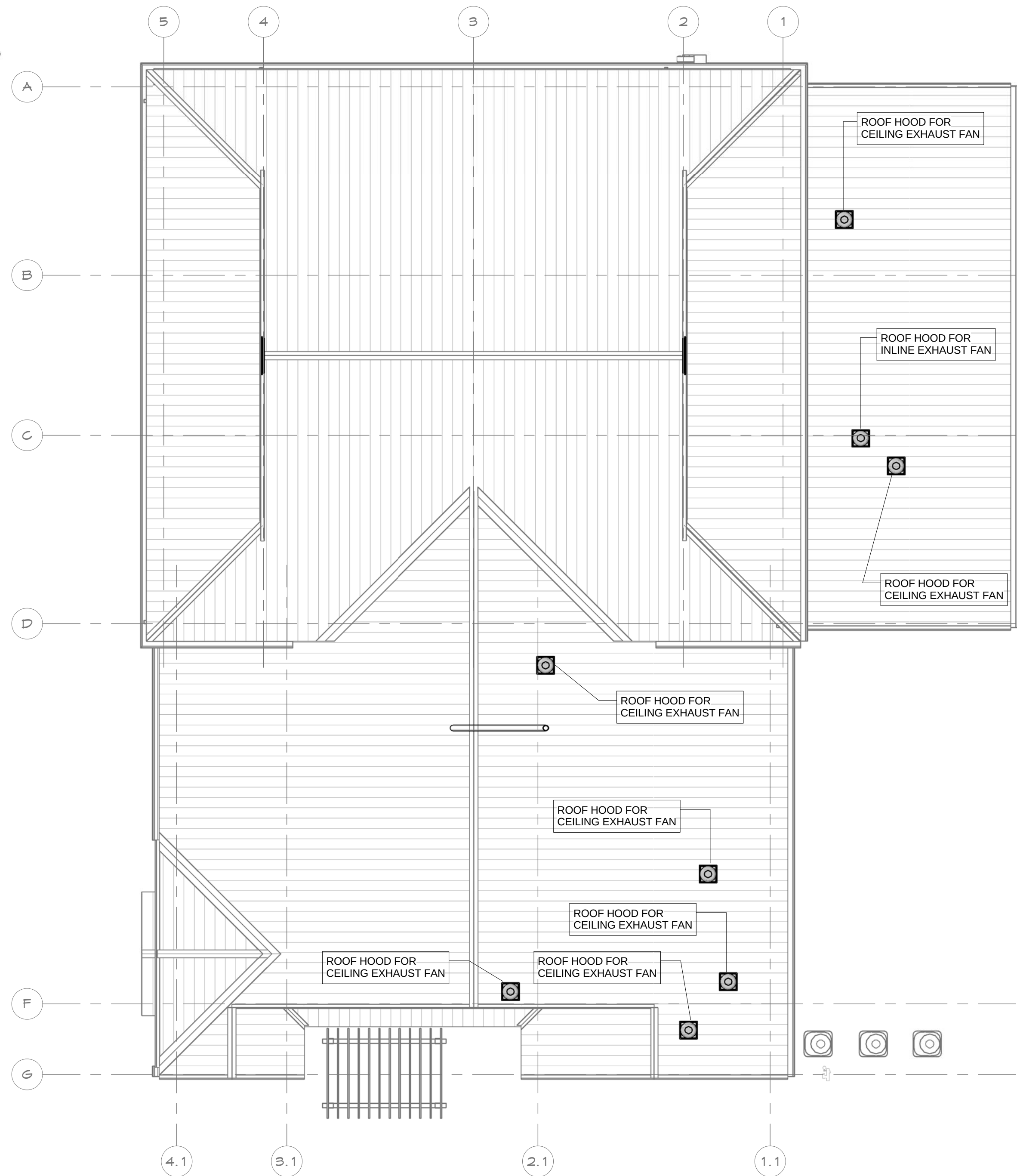
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TITLE
ROOF PLAN

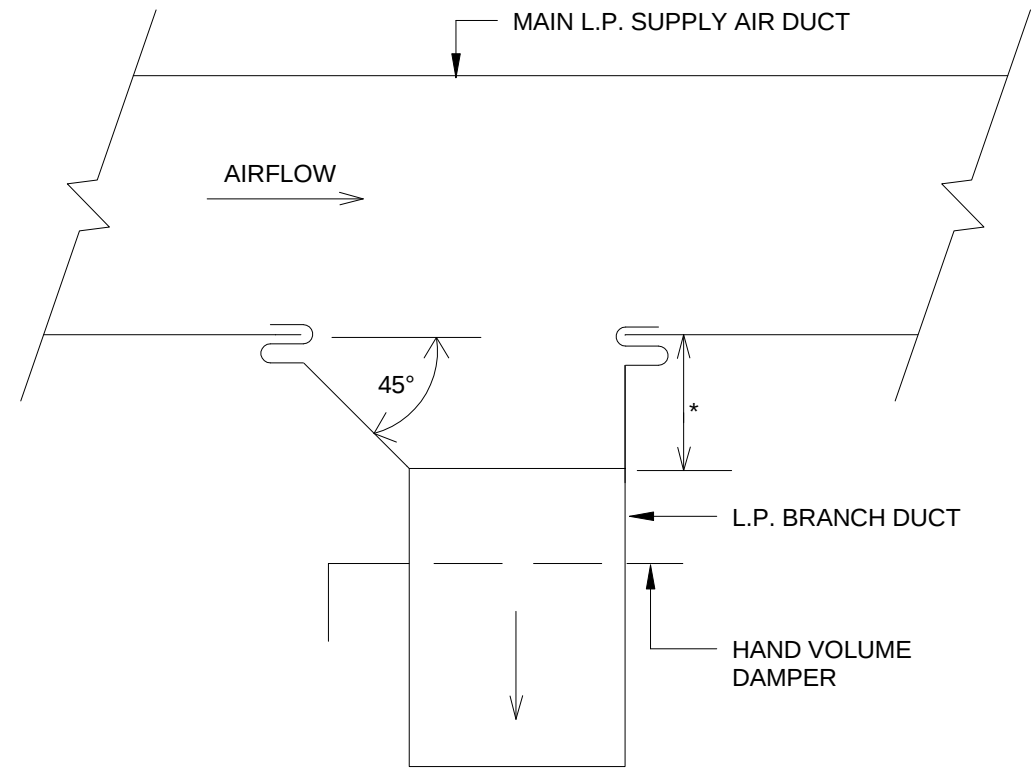
SHEET NUMBER

M05

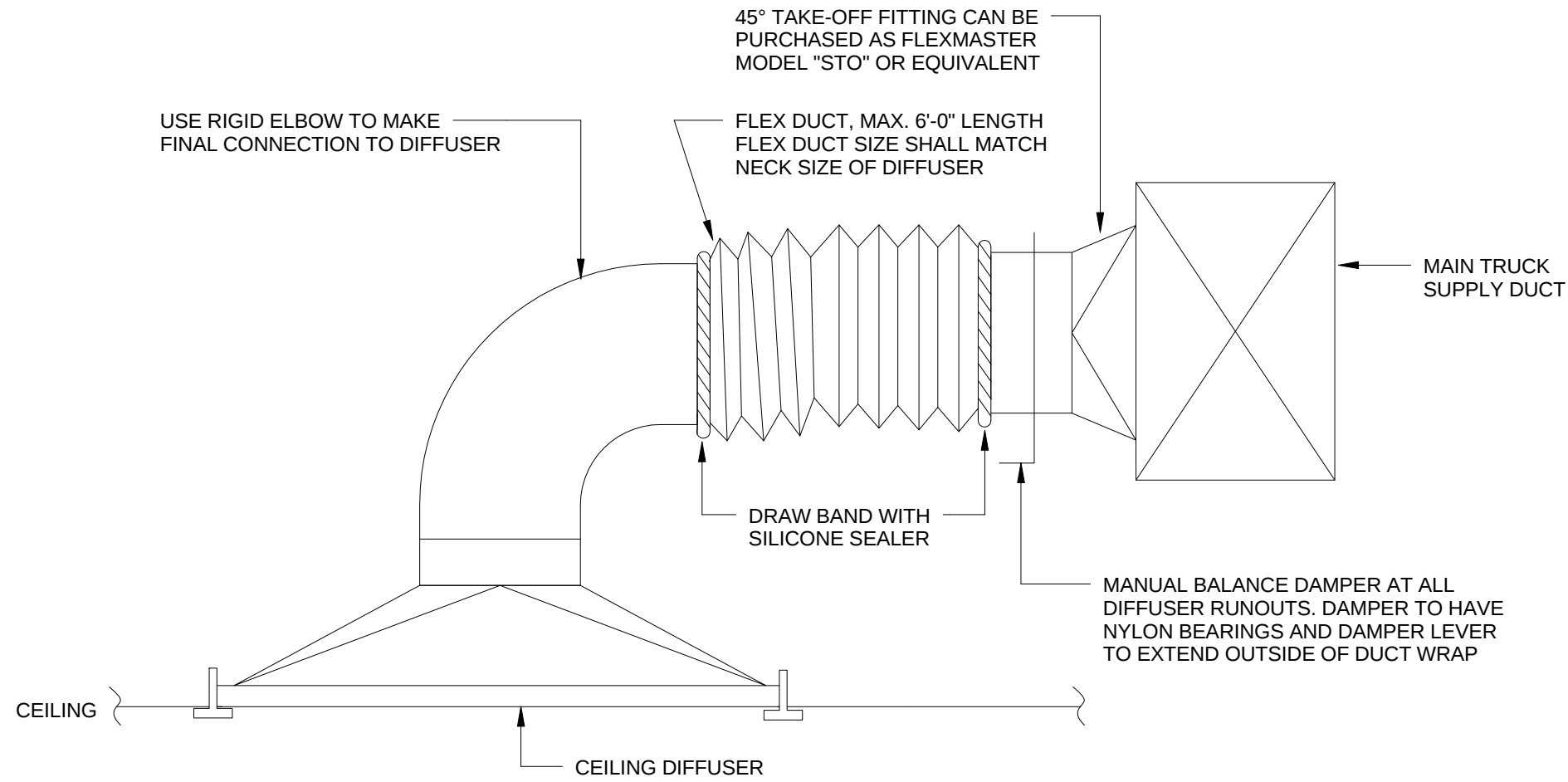


A ROOF PLAN
SCALE: 1/8" = 1'-0"

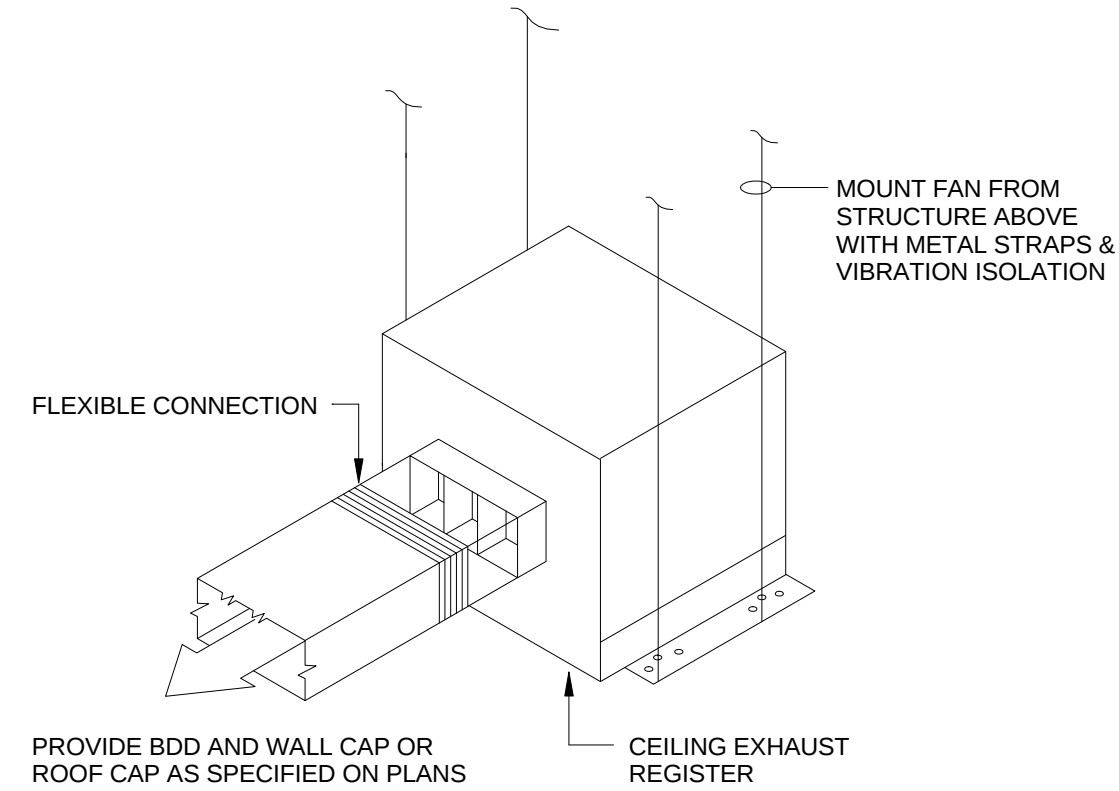




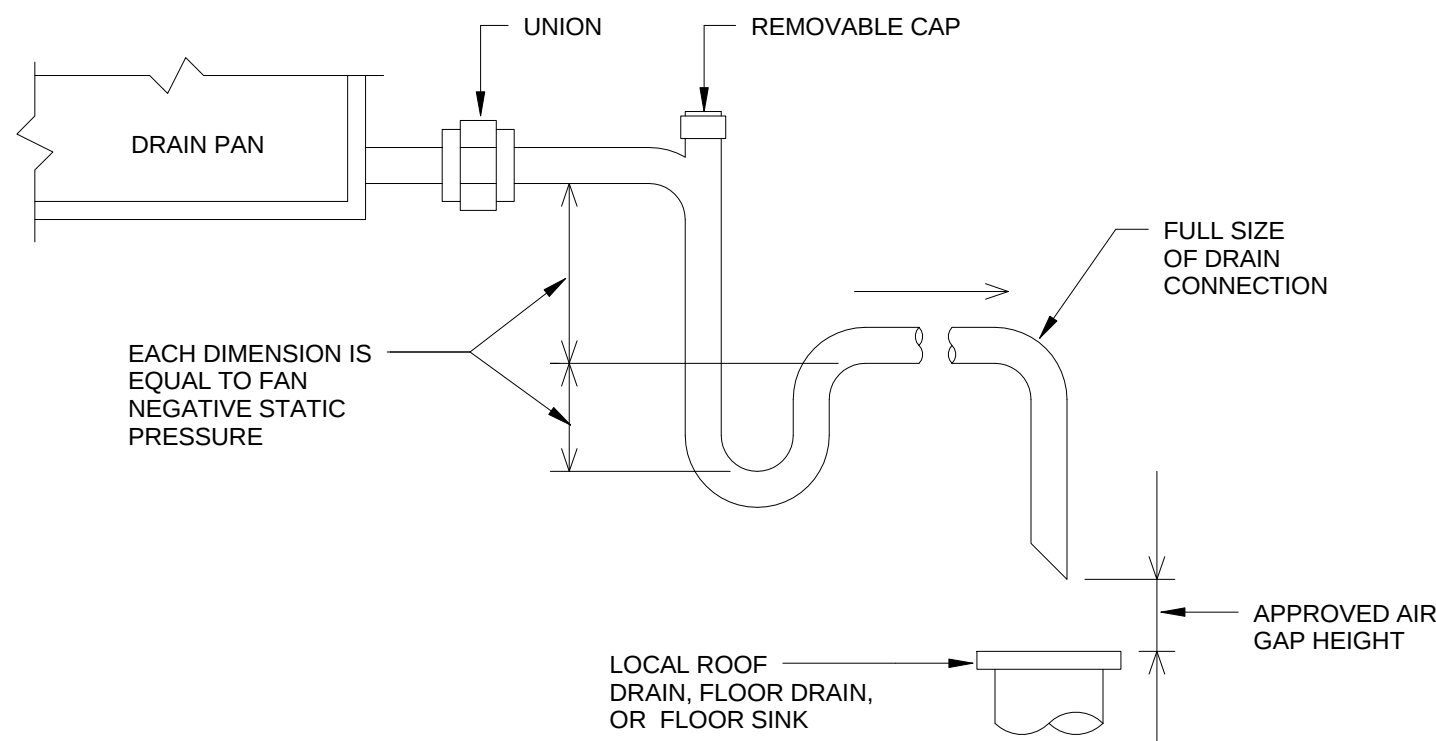
A TYPICAL SUPPLY AIR BRANCH DUCT TAKE-OFF
SCALE: SCALE: N.T.S.



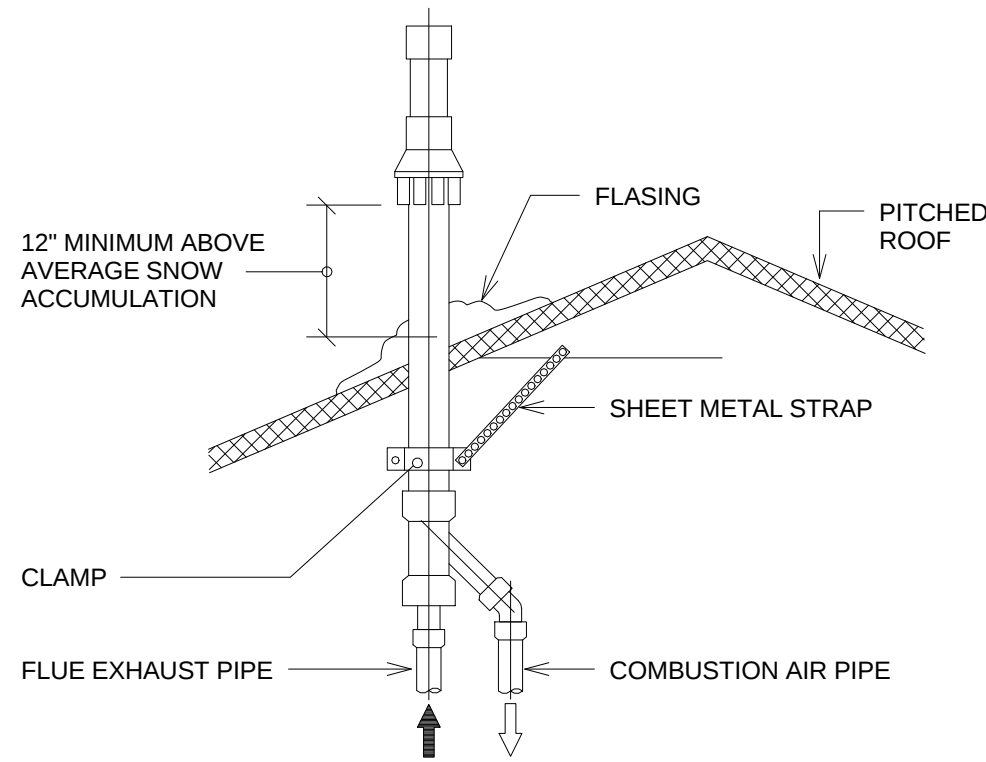
B TYPICAL DIFFUSER CONNECTION
SCALE: SCALE: N.T.S.



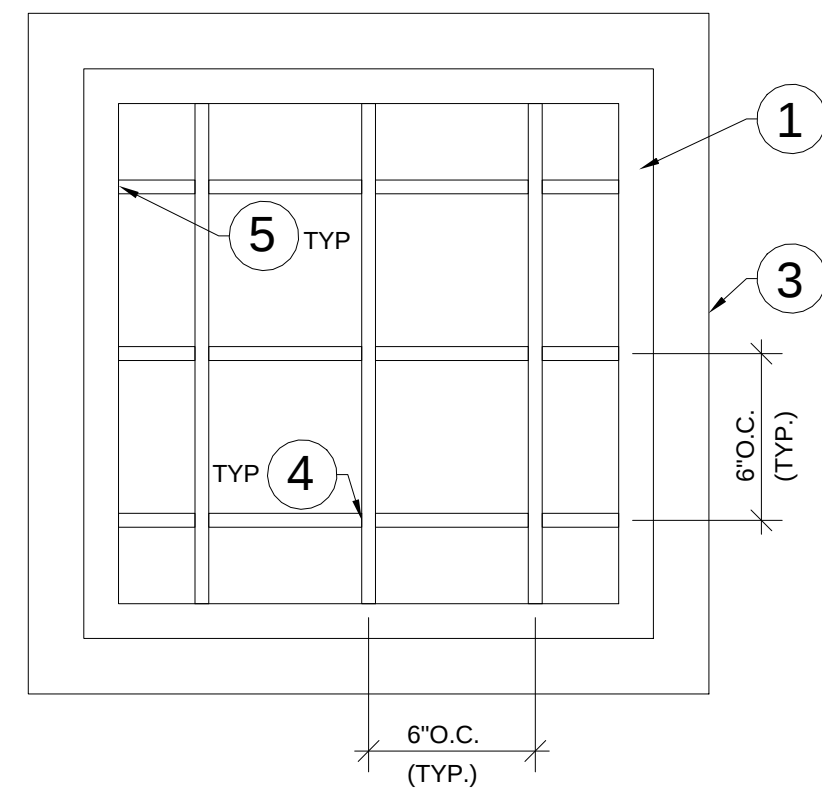
C CEILING EXHAUST FAN DETAIL
SCALE: SCALE: N.T.S. REF: /



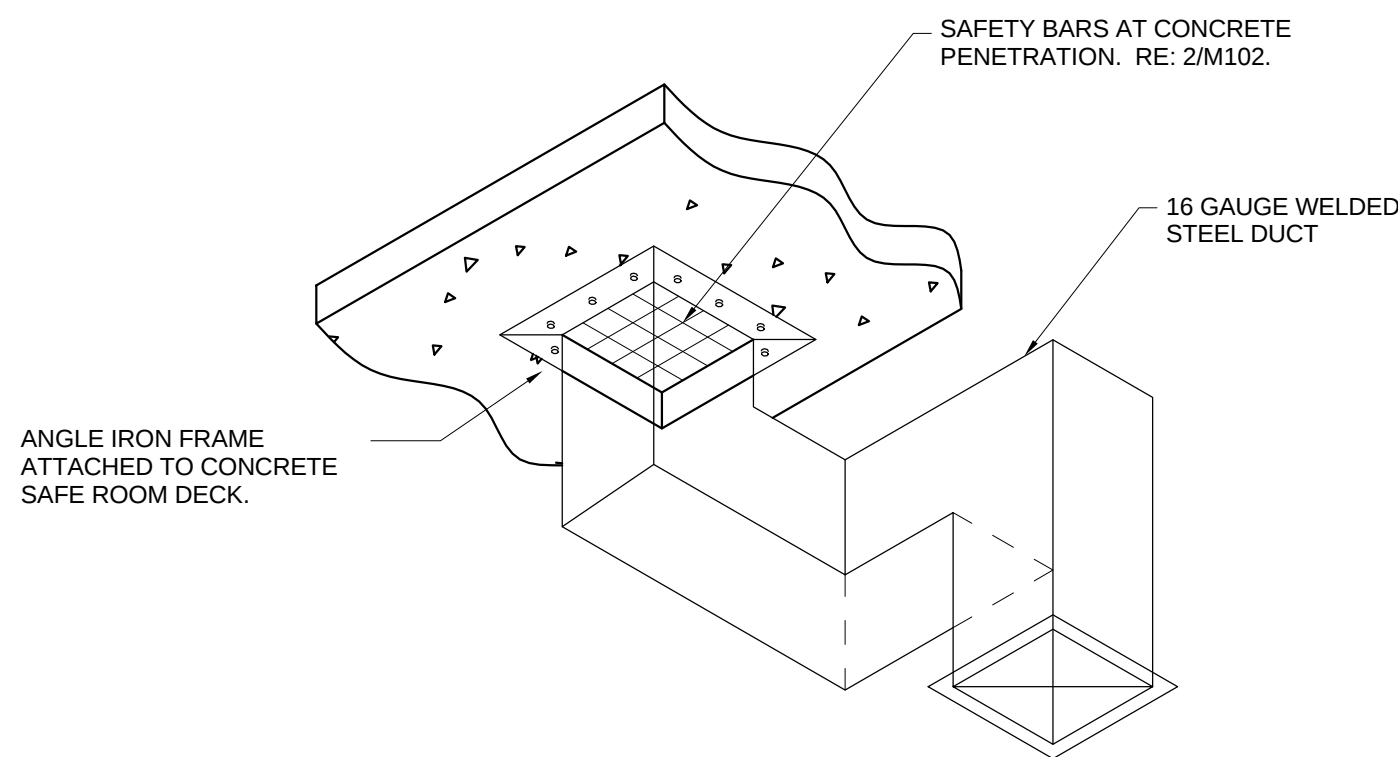
D CONDENSATE DRAIN DETAIL
SCALE: SCALE: N.T.S. REF: /



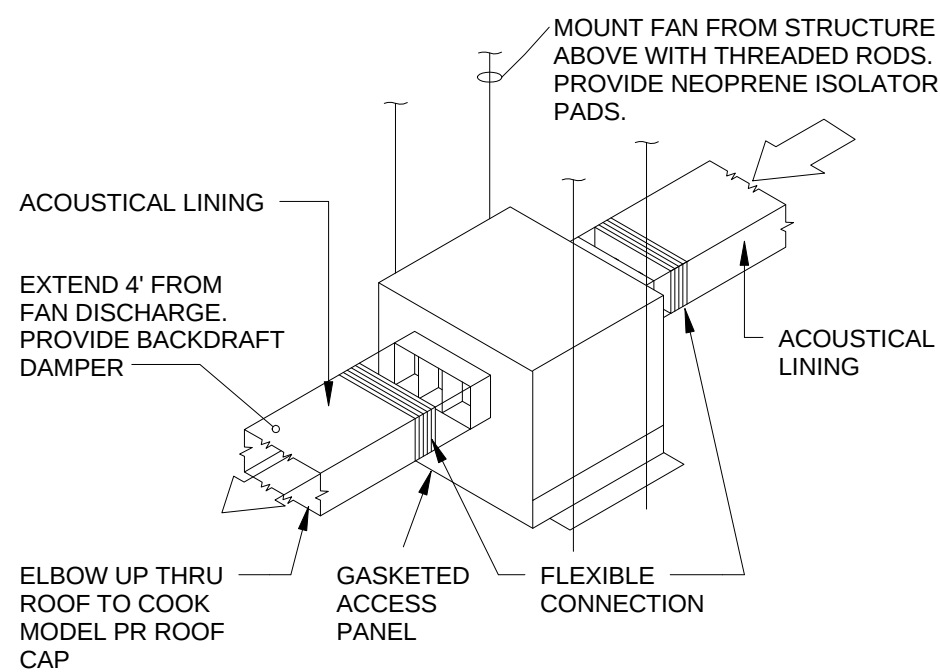
E CONCENTRIC SLOPED ROOF TERMINATION INSTALLATION DETAIL
SCALE: SCALE: N.T.S. REF: /



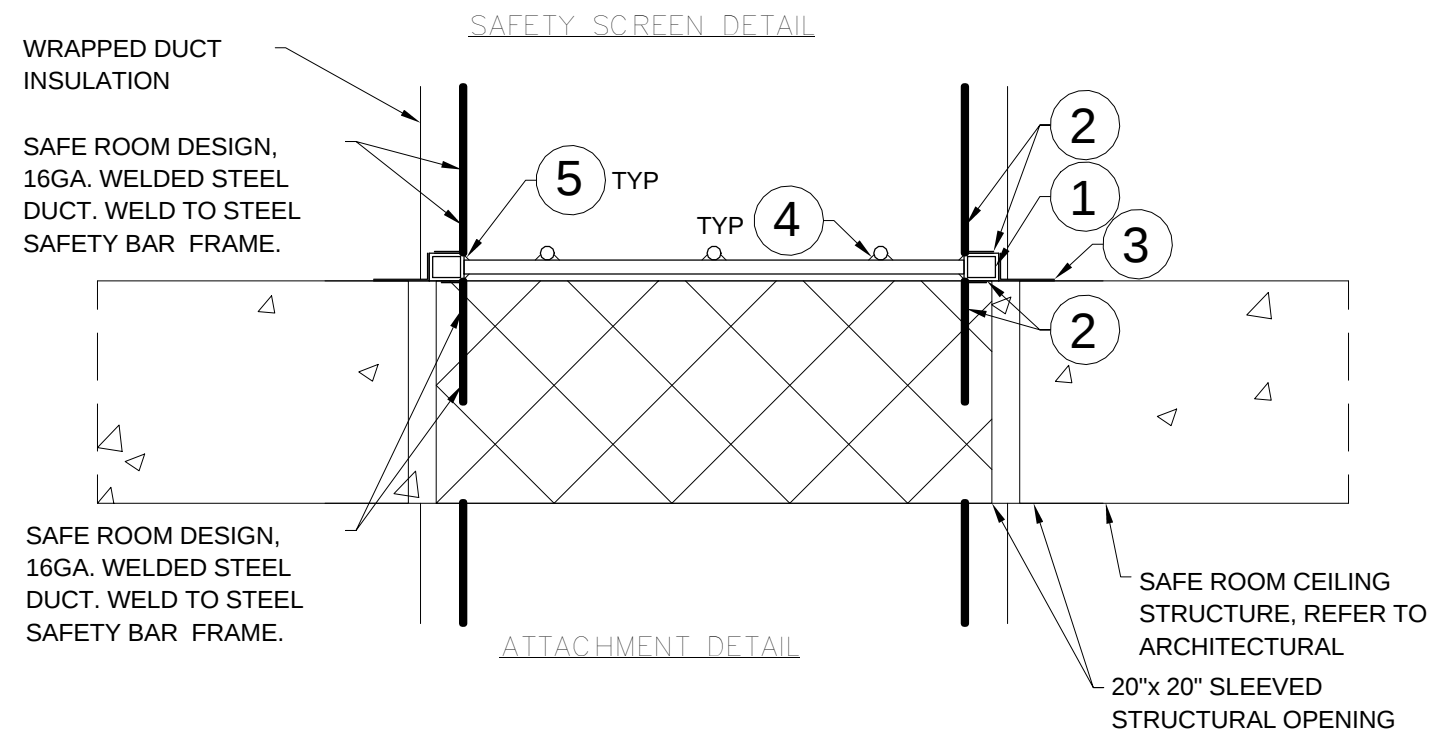
SAFETY BAR DETAIL NOTES	
1	1.00" x 1.25" STEEL TUBING.
2	1.00" x 1.00" STEEL ANGLES. WELDED TO SAFETY BAR TUBING FRAME AND DUCT
3	1.00" x 2.00" STEEL ANGLE IRON FLANGE FOR ATTACHMENT TO WALL OR ROOF DECK. WELD TO STEEL SLEEVE AT DECK.
4	WELD 1/2" CROSSING REBARS TOGETHER AT EACH CROSSING.
5	WELD 1/2" REBAR TO STEEL TUBING. REBAR SPACING 6" ON CENTER BOTH DIRECTIONS.



G FEMA DUCT PENETRATION
SCALE: NTS



H IN-LINE CEILING EXHAUST FAN DETAIL
SCALE: SCALE: N.T.S.



I FEMA BARS 1
SCALE: NTS

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Shawnee, Oklahoma
1401 Bryan Street

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TITLE
MECHANICAL
DETAILS

SHEET NUMBER
M06



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TITLE
HVAC SCHEDULES

SHEET NUMBER
MO7

ELECTRIC HEATER SCHEDULE		
TAG		EH-1
MANUFACTURER		QMARK
MODEL NO.		MUH05-81
TYPE		WALL HEATER
CFM		350
ELECTRIC	KW	5
	VOLTAGE/PHASE	280/3
	FLA	12.5
REMARKS		A
REMARKS: 1. INSTALL BOTTOM OF HEATER AT ELEVATION OF 7'-0" AFF. A. PROVIDE FACTORY INSTALLED UNIT MOUNTED THERMOSTAT		

FURNACE SCHEDULE				
TAG		FU-1	FU-2	FU-3
MANUFACTURER		TRANE	TRANE	TRANE
MODEL NO.		TUD1B080A9361A	TUD1C100A9481A	TUD1B080A9361A
UNIT CONFIGURATION		HORIZONTAL	HORIZONTAL	HORIZONTAL
NOMINAL TONS		3	4	3
SUPPLY AIR	AIR FLOW-CFM	800	1400	1000
FAN DATA	ESP - INCHES WG	0.5	0.5	0.5
	MOTOR HP	1/3	1/2	1/3
OUTSIDE AIR-CFM		150	200	150
COOLING COIL	MODEL NO.	4PXCBU36BS3HAA	4PXCCU48BS3HAA	4PXCBU36BS3HAA
	TOTAL CAPACITY - MBH	35.0	47.6	35.0
	SENSIBLE CAPACITY - MBH	26.0	36.7	26.0
	ENTERING AIR, DB/WB TEMP -DEG F	80/67	80/67	80/67
	LEAVING AIR, DB/WB TEMP - DEG F	58/58	58/58	58/58
HEATING CAPACITY	FUEL TYPE	NATURAL GAS	NATURAL GAS	NATURAL GAS
	INPUT-MBH	80	100	80
	OUTPUT-MBH	63	79	63
	AFUE	80	80	80
ELECTRICAL	VOLTAGE/PHASE/HERTZ	115/1/60	115/1/60	115/1/60
	MCA	9.0	11.6	9.0
	MOCP	15	15	15
FILTER		2" MERV 8	2" MERV 8	2" MERV 8
WEIGHT		139	148	139
	REMARKS	1	1	1
	CONTROLS	A	A	A
REMARKS 1. PROVIDE SERVICE DISCONNECT SWITCH, LOW VOLTAGE MOTORIZED TWO-POSITION OUTSIDE AIR DAMPER, FILTER RACK IN RETURN AIR PLENUM, MANUFACTURER'S CONCENTRIC ROOF TERMINAL. 2. PROVIDE CONDENSATE DRIP PAN. CONTROLS: A. SEVEN DAY PROGRAMMABLE THERMOSTAT.				

RANGE HOOD SCHEDULE		
TAG		RH-1
MANUFACTURER		DFP
MODEL NO.		D1000-I-WF
WIDTH-INCHES		30
AIR FLOW-CFM		150
EXT.STATIC PRESS.-IN. WG.		0.3
SOUND - SONES		7.0
ELECTRICAL	VOLTAGE/PHASE/HERTZ	115/1/60
	FULL LOAD AMPS	
REMARKS		1
REMARKS: 1. INSTALL PER MANUFACTURORER'S RECOMMENDATONS.		

CONDENSING UNIT SCHEDULE				
TAG		CU-1	CU-2	CU-3
MANUFACTURER		TRANE	TRANE	TRANE
MODEL NO.		4TTR4036L1	4TTR4048L1	4TTR4036L1
SEER		14	14	14
COMPRESSOR	TYPE	CLIMATUFF SCROLL	CLIMATUFF SCROLL	CLIMATUFF SCROLL
	NO. OF COMPRESSORS	1	1	1
	RATED-LOAD AMPS (RLA)	14.1	18.5	14.1
	LOCKED-ROTER AMPS (LRA)	72	124	72
	AMBIENT AIR TEMP - DEG F	105	105	105
AIR COOLED CONDENSER	NO. OF FANS	1	1	1
	MOTOR HP	1/8	1/5	1/8
	VOLTAGE/PHASE/HERTZ	208/230/1/60	208/230/1/60	208/230/1/60
ELECTRICAL	MCA	18	24	18
	MOCP	30	40	30
	REMARKS	1	1	1
REMARKS 1. PROVIDE WITH SERVICE DISCONNECT SWITCH AND ANTI-SHORT CYCLE TIMER PER MANUFACTURER'S RECOMMENDATIONS.				

FAN SCHEDULE										
TAG		EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7	EF-8	EF-9
MANUFACTURER		COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL NO.		GC-168	70SQN10D	GC-168	GC-148	GC-168	GC-148	GC-148	GC-148	GC-168
AIR FLOW-CFM		125	75	100	75	125	75	75	75	125
EXT.STATIC PRESS.-IN. WG.		0.3	0.3	0.3	0.5	0.3	0.5	0.5	0.5	0.3
TYPE		CEILING	INLINE	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING	CEILING
FAN TYPE		CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
DRIVE TYPE		DIRECT	BELT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
FAN RPM		1160		1160	1075	1160	1075	1075	1075	1160
SOUND-SONES		3		3	3	3	3	3	3	3
MOTOR	HP	52.5W	58W	52.5W	43W	52.5W	43W	43W	43W	52.5W
	RPM	1160	1355	1160	1075	1160	1075	1075	1075	1160
ELECTRICAL	VOLTAGE	120	120	120	115	120	115	115	115	120
	PHASE	1	1	1	1	1	1	1	1	1
	HERTZ	60	60	60	60	60	60	60	60	60
WEIGHT - LBS		12	80	12	12	12	12	12	12	12
REMARKS		1	1	1	1	1	1	1	1	1
CONTROL		B	A	B	B	A	B	A	B	A
REMARKS:										
1. PROVIDE INTEGRAL DISCONNECT SWITCH, BACKDRAFT DAMPER, VIBRATION ISOLATORS, AND FLEX CONNECTIONS ON OUTLET.										
2. PROVIDE ROOF CURB, NEMA 3R DISCONNECT SWITCH, AND BACKDRAFT DAMPER.										
3. PROVIDE ROOF CURB, VENTILATED CURB EXTENSTION, HINGED BASE, NEMA 3R DISCONNECT SWITCH, GREASE TRAP, AND UL 762 RATED.										
CONTROL:										
A. INTERLOCK WITH LIGHTS.										
B. OPERATE CONTINUOUSLY.										
C. REVERSE ACTING LINE VOLTAGE T-STAT.										
D. VFD SPEED CONTROLLER INTERLOCKED WITH LOUVERS AND CARBON-MONOXIDE SENSOR.										

MECHANICAL DUCTWORK AND INSULATION SCHEDULE			
SERVICE	DUCT TYPE	INSULATION TYPE	INSULATION THICKNESS
ALL RECTANULAR LOW PRESSURE CONSTANT VOLUME SUPPLY AND RETURN AIR DUCT	RECTANGULAR LINED	MATTE FACED FIBERGLASS LINER	1" LINER
ALL ROUND SUPPLY OR RETURN AIR DUCT	ROUND WRAPPED	FIBERGLASS WRAP	2" WRAP
ALL SUPPLY AIR DIFFUSERS (BACKSIDE, NOT EXPOSED TO SPACE)	N/A	FIBERGLASS WRAP	2" WRAP
EXHAUST DUCT	ROUND OR RECTANGULAR	FIBERGLASS WRAP WITHIN 10' OF EXTERIOR PENETRATION	2" WRAP

GRILLE, REGISTER, AND DIFFUSER SCHEDULE				
TAG	A	B	C	
MANUFACTURER	TITUS	TITUS	TITUS	
MODEL NO.	TMS	TMS	350RL	
SERVICE	SUPPLY	SUPPLY	RETURN / EXHAUST	
TYPE	SQUARE CONE	SQUARE CONE	LOUVERED GRILLE	
FACE SIZE OR SLOT LENGTH - IN.	24x24	12x12	REFER TO PLANS	
NUMBER OF SLOTS / SIZE - IN.	--	--	--	
FINISH	WHITE	WHITE	WHITE	
REMARKS				
GENERAL NOTES: A. REFER TO PLANS FOR NECK SIZES. B. REFER TO ARCHITECT'S REFLECTED CEILING PLANS TO DETERMINE SURFACE OR LAY-IN MOUNTING FOR CEILING DIFFUSERS.				
REMARKS: 1. PROVIDE OPPOSED BLADE FACE DAMPER. 2. PROVIDE TYPE 2A FLANGED BORDER WITH CONCEALED MOUNTING, TYPE-XX END CAPS.				

PLUMBING LEGEND			
LINE TYPE / SYMBOL	DESCRIPTION	LINE TYPE / SYMBOL	DESCRIPTION
	SANITARY SEWER	D.F.U	DRAIN FIXTURE UNITS
	GREASE WASTE	B.F.F	BELOW FINISHED FLOOR
	VENT	A.F.F	ABOVE FINISHED FLOOR
	DOMESTIC COLD WATER	GPM	GALLONS PER MINUTE
	DOMESTIC HOT WATER	F.L	FLOW LINE INVERT
	DOMESTIC HOT WATER RETURN		FLOOR DRAIN (FD-1)
	LOW PRESSURE GAS		FROST PROOF WALL HYDRANT (FPWH-1)
	MEDIUM PRESSURE GAS		HOSE BIBB (HB-1)
	ROOF DRAIN		LINE CAP
	OVERFLOW ROOF DRAIN		FLOOR CLEANOUT (FCO-1) / FINISHED GRADE CLEANOUT (FGCO-1)
	FIRE LINE		WALL CLEAN OUT (WCO-1) / STACK CLEAN OUT (SCO-1)
	UNION		VALVE
			VALVE IN RISER

PLUMBING GENERAL NOTES
1. THE ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH THE CURRENT INTERNATIONAL PLUMBING CODE, AND ALL OTHER GOVERNING STATE AND LOCAL CODES, STATUTES, REGULATIONS, AND REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
2. THE PIPING INDICATED ON THESE PLANS IS DIAGRAMMATICAL. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
3. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES RELATED TO PERMITTING, INSPECTION, TAP-ON FEES, ETC.
4. THE CONTRACTOR SHALL COORDINATE ANY PLUMBING OR PIPING SYSTEM SHUTDOWN WITH THE OWNER A MINIMUM 48 HOURS IN ADVANCE.
5. ALL DOMESTIC WATER, VENT, AND NATURAL GAS PIPING SHOWN IS ABOVE CEILING, EXPOSED OVERHEAD, OR WITHIN WALLS UNLESS NOTED OTHERWISE.
6. ALL SANITARY SEWER AND OTHER WASTE PIPING SHOWN IS BELOW SLAB, BELOW FLOOR, OR WITHIN WALLS UNLESS NOTED OTHERWISE.
7. INSTALL WATER HAMMER ARRESTORS APPROVED FOR SEALED-WALL INSTALLATION ON WATER LINES CONNECTED TO SOLENOID VALVES OR FLUSH VALVES. SIZE, LOCATE, AND INSTALL IN ACCORDANCE WITH PDI STANDARD WH201.
8. INSTALL ISOLATION VALVES IN PIPING CONNECTION TO EACH INDIVIDUAL FIXTURE, PIECE OF EQUIPMENT, AND FIXTURE GROUPS.
9. REFER TO PLUMBING DETAILS FOR INSTALLATION, MOUNTING, SUPPORT, AND PIPING CONNECTION INFORMATION NOT INDICATED ON FLOORPLANS.
10. INSTALL FROST PROOF HOSE BIBB SUPPLY PIPING ON THE INSIDE OF BUILDING INSULATION BARRIER. SEAL SHEATHING PENETRATION AIR AND WATER TIGHT.
11. MOUNT FLUSH CONTROLS FOR HANDICAPPED WATER CLOSETS ON THE OPEN SIDE OF THE TOILET AREAS.
12. ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED EQUAL TO THE RATING OF THE WALL OR FLOOR.
13. CLEAN AND DISINFECT THE DOMESTIC WATER SYSTEM IN ACCORDANCE WITH SPECIFICATIONS AND LOCAL CODE AND HEALTH DEPARTMENT REQUIREMENTS.
14. TEST ALL PIPING SYSTEMS IN ACCORDANCE WITH SPECIFICATIONS AND AS REQUIRED BY LOCAL CODE AND AUTHORITY HAVING JURISDICTION.
15. MAINTAIN 10 FEET MINIMUM SEPARATION BETWEEN DOMESTIC WATER AND SANITARY SEWER LINES LOCATED OUTSIDE OF BUILDING FOOTING.
16. ALL VENTS THRU ROOF (VTR) PENETRATIONS INDICATED ARE DIAGRAMMATIC. COORDINATE EXACT LOCATIONS WITH ALL TRADES. MAINTAIN 10- FEET CLEARANCE BETWEEN VTR'S AND ALL FRESH AIR INTAKES AND BUILDING OPENINGS.
17. ANY PVC PIPE PENETRATIONS OF FIRE RATED ASSEMBLIES SHOULD BE EXTERNALLY SLEEVED WITH STEEL, FERROUS, OR COPPER MATERIALS, SECURELY FASTENED TO THE FIRE RATED ASSEMBLY, AND ANY SPACE BETWEEN THE SLEEVE AND THE ASSEMBLY PENETRATED SHALL BE PROTECTED USING MATERIAL THAT CONFORMS TO ASTM E 814 OR UL 1479, SUCH AS FIRE STOP FS-1900 OR FLAME STOPPER 5000.

PLUMBING DEMOLITION GENERAL NOTES
1. DEMOLISH EXISTING SYSTEMS, EQUIPMENT, ETC. AS NECESSARY TO MAKE WAY FOR NEW CONSTRUCTION. AVOID DISRUPTION OF SERVICES DURING NORMAL BUSINESS HOURS. ALL SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH BUILDING OWNER AND SCHEDULED AFTER NORMAL BUSINESS HOURS OR AS OTHERWISE APPROVED BY OWNER.
2. PRIOR TO DEMOLITION, FIELD VERIFY AND IDENTIFY ANY EXISTING EQUIPMENT TO REMAIN IN SERVICE BY SYSTEMS SHOWN TO BE DEMOLISHED. NOTIFY ENGINEER OF ANY SUCH CONDITIONS AND REMOVE AND/OR RELOCATE THE SERVICES AS DIRECTED.
3. MEET WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING MATERIALS, SYSTEMS, EQUIPMENT, ETC. ARE CONSIDERED SALVAGE OR DEBRIS. REMOVE DEBRIS FROM SITE AND DISPOSE OF IN AN APPROVED MANNER AS DIRECTED BY OWNER/GENERAL CONTRACTOR
4. CAP AND SEAL ALL UNUSED PIPING BRANCHES IN AN APPROVED MANNER. REPLACE ALL DAMAGED PIPE INSULATION. MATCH EXISTING OR AS SPECIFIED IN SCHEDULE
5. REMOVE ALL UNUSED PIPING BRANCHES IN AN APPROVED MANNER. REPLACE ALL DAMAGED PIPE INSULATION. MATCH EXISTING OR AS SPECIFIED IN SCHEDULE.



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CITY OF SHAWNEE

FIRE STATION NO. 2 REHAB

Shawnee, Oklahoma

1401 Bryan Street

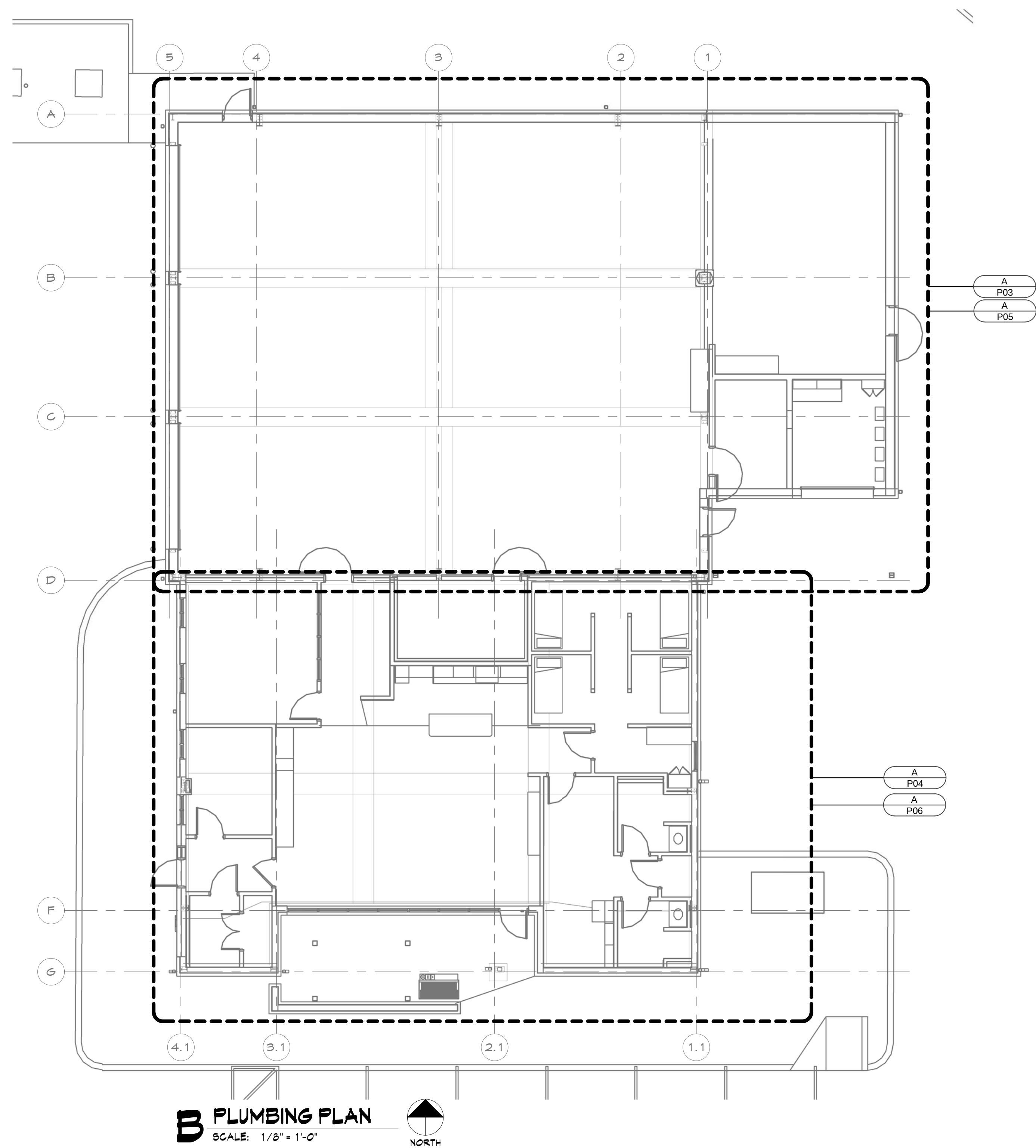
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01/09/17

PROJECT NUMBER 1114-01
REVIEWED BY JK
DRAWN BY MSB

TITLE
PLUMBING NOTES
AND LEGENDS

SHEET NUMBER
P01



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PROJECT NUMBER
1114-01

REVIEWED BY
JK

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MSB

TITLE
OVERALL
PLUMBING PLAN

SHEET NUMBER
P02

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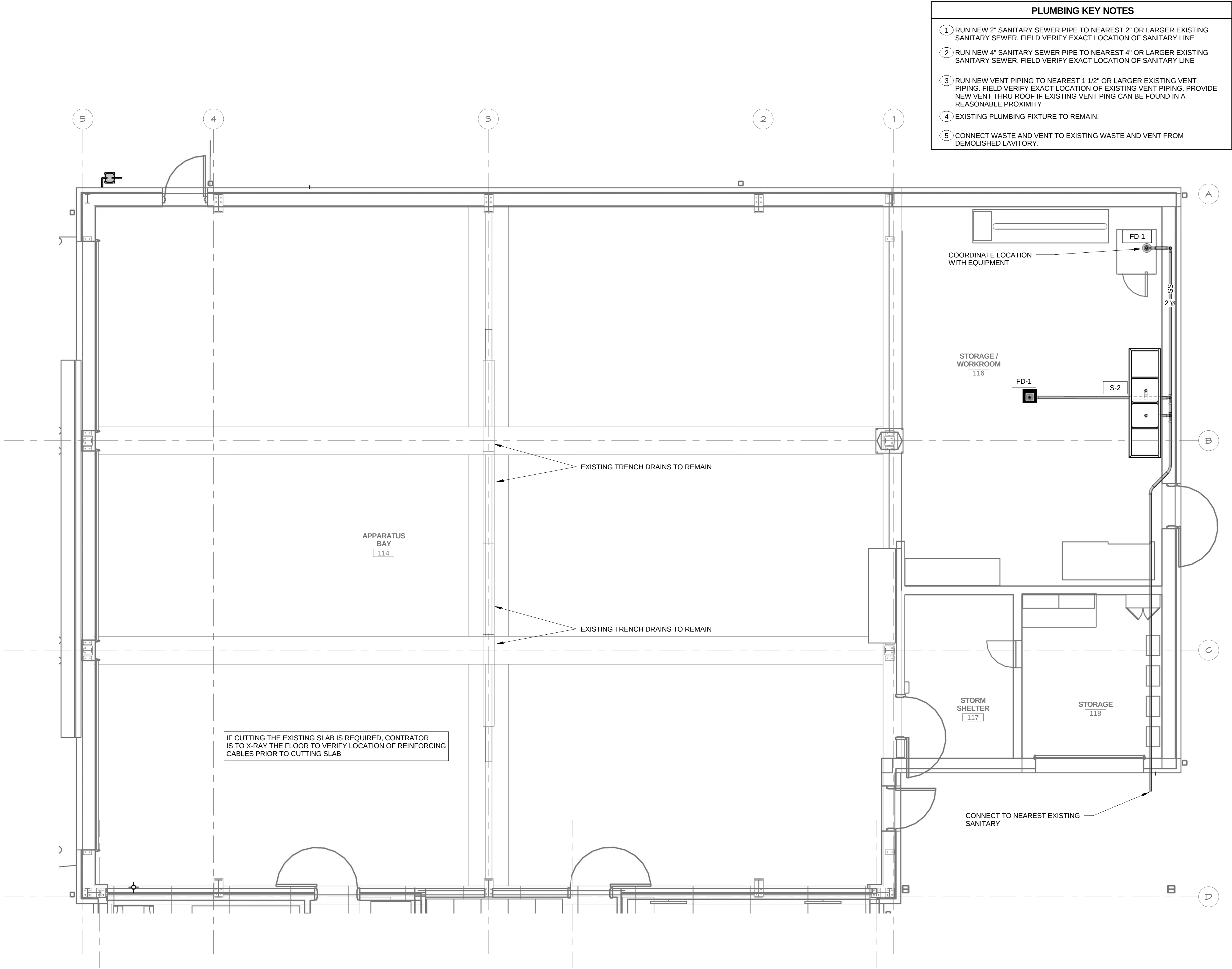
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PROJECT NUMBER
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JKB
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TITLE
ENLARGED
PLUMBING WASTE
AND VENT PLAN
(NORTH)
SHEET NUMBER

P03



CITY OF SHAWNEE
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1401 Bryan Street Shawnee, Oklahoma100%
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* ISSUE DATEPROJECT NUMBER 1114-01
REVIEWED BY JK
DRAWN BY MSB
TITLE
ENLARGED
PLUMBING WASTE
AND VENT PLAN
(SOUTH)
SHEET NUMBER

P04

PLUMBING KEY NOTES

- 1 RUN NEW 2" SANITARY SEWER PIPE TO NEAREST 2" OR LARGER EXISTING SANITARY SEWER. FIELD VERIFY EXACT LOCATION OF SANITARY LINE
- 2 RUN NEW 4" SANITARY SEWER PIPE TO NEAREST 4" OR LARGER EXISTING SANITARY SEWER. FIELD VERIFY EXACT LOCATION OF SANITARY LINE
- 3 RUN NEW VENT PIPING TO NEAREST 1 1/2" OR LARGER EXISTING VENT PIPING. FIELD VERIFY EXACT LOCATION OF EXISTING VENT PIPING. PROVIDE NEW VENT THRU ROOF IF EXISTING VENT PING CAN BE FOUND IN A REASONABLE PROXIMITY
- 4 EXISTING PLUMBING FIXTURE TO REMAIN.
- 5 CONNECT WASTE AND VENT TO EXISTING WASTE AND VENT FROM DEMOLISHED LAVATORY.

EXISTING SLAB CUTTING

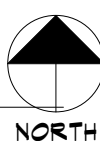
1. EXISTING SLAB IS POST TENSIONED. CONTRATOR SHALL X-RAY (OR BY SIMILAR MEANS) THE SLAB TO DETERMINE LOCATIONS OF REINFORCING CABLES IN ALL POTENTIAL AREAS OF UNDERSLAB PLUMBING
2. MARK THE SLAB WITH NON-PERMANENT MARKS. SLAB FINISHED WILL BE EXPOSED IN AREAS AND VISIBLE MARKS ARE UNACCEPTABLE UPON COMPLETION OF THE PROJECT.
3. DETERMINE AREAS TO BE SAW-CUT AND REVIEW WITH ARCHITECT 72HOURS PRIOR TO CUTTING.
4. REFERENCE STRUCTURAL DRAWINGS FOR CUTTING AND PATCHING REQUIREMENTS.
5. IF CABLE(S) ARE CUT DURING CUTTING OPERATIONS, IMMEDIATELY NOTIFY OWNER AND ARCHITECT.
6. MAKE UNDERSLAB DRAIN CONNECTIONS.
7. BACKFILL HOLE WITH APPROVED FILL MATERIALS. INSTALL VAPOR BARRIER AND SEAL JOINTS. INSTALL ANY REQUIRED DOWELS AND REINFORCING. PLACE CONCRETE FLUSH WITH EXISTING.

CUTTING SLAB IS REQUIRED. CONTRATOR TO X-RAY
SLAB TO VERIFY LOCATIONS OF REINFORCING
CABLES PRIOR TO CUTTING SLAB

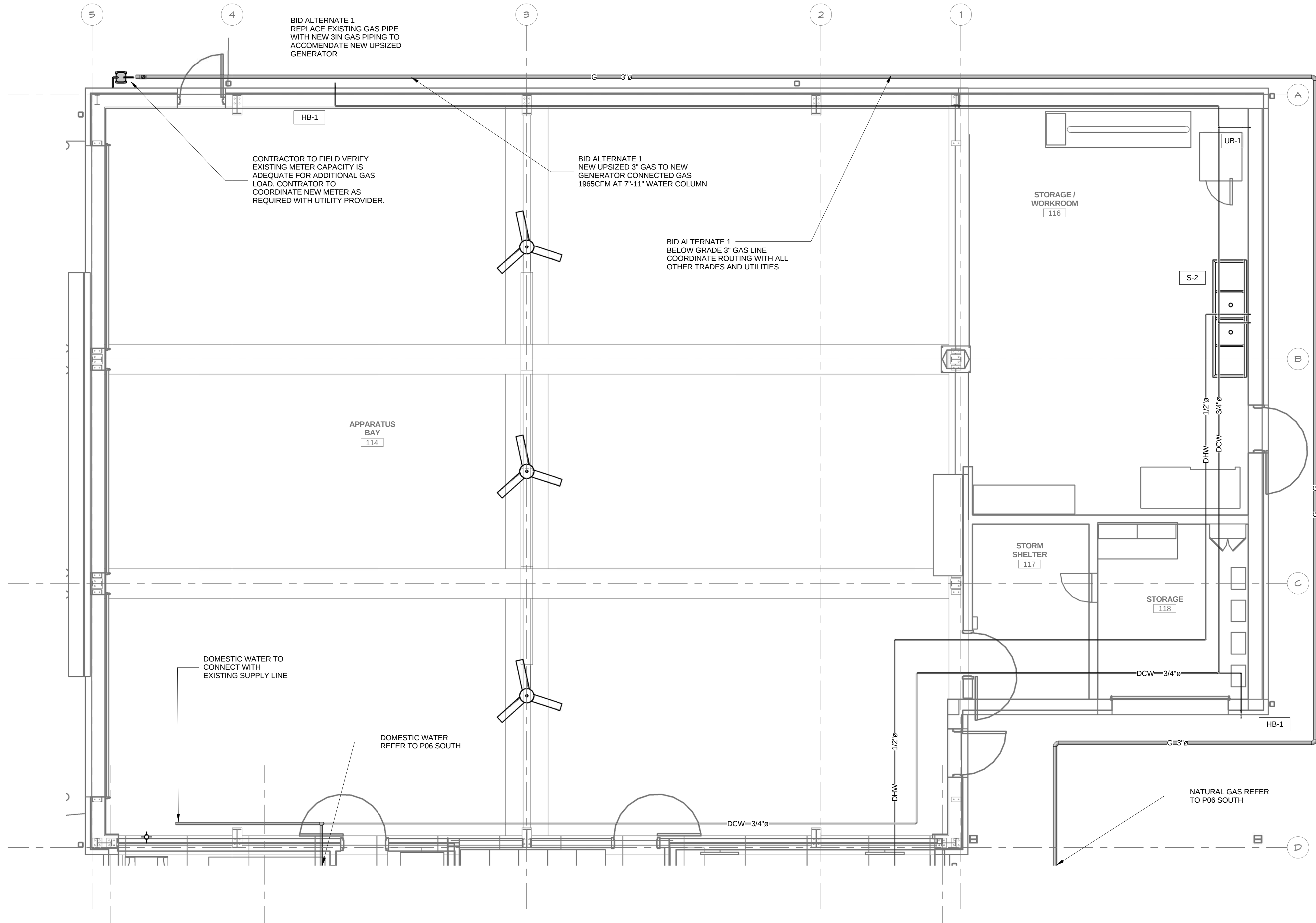
PLUMBING PLAN WASTE - SOUTH

SCALE: 1/4" = 1'-0"

REF: B / P02



NORTH



PLUMBING PLAN SUPPLY - NORTH
SCALE: 1/4" = 1'-0" REF: B / P02



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CITY OF SHAWNEE
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1401 Bryan Street

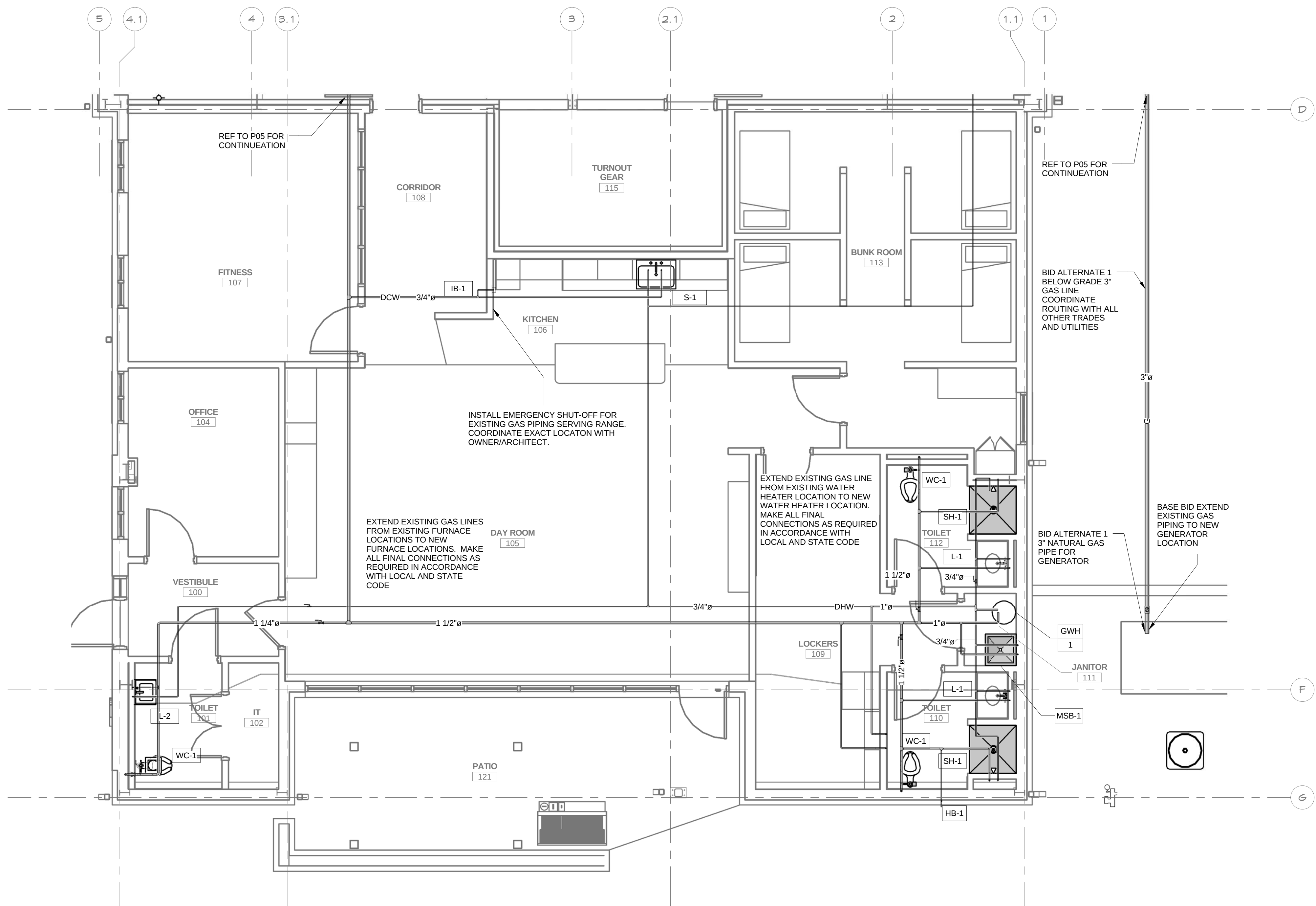
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TITLE
**ENLARGED
PLUMBING SUPPLY
PLAN (NORTH)**

SHEET NUMBER
P05



PLUMBING PLAN SUPPLY - SOUTH

SCALE: 1/4" = 1'-0" REF: B / P02

NORTH

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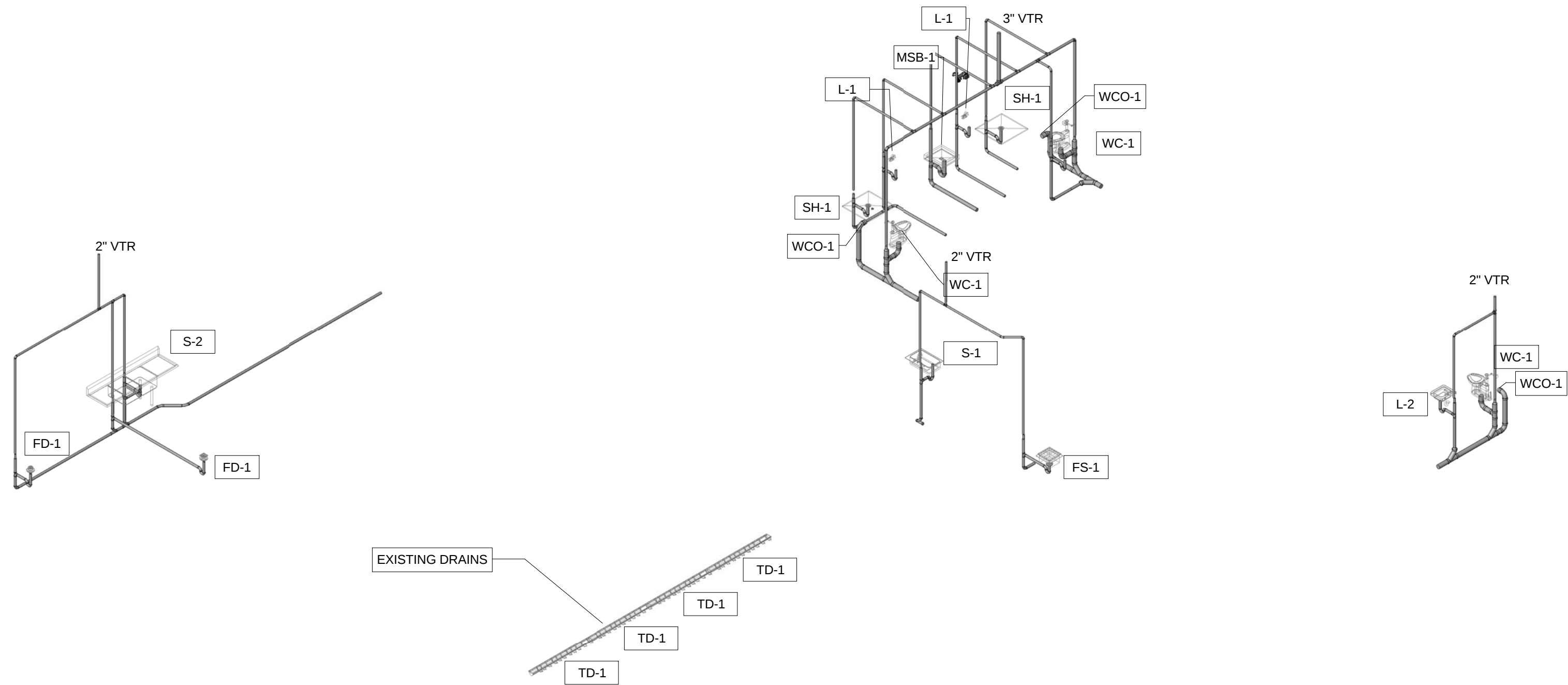
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PROJECT NUMBER 1114-01
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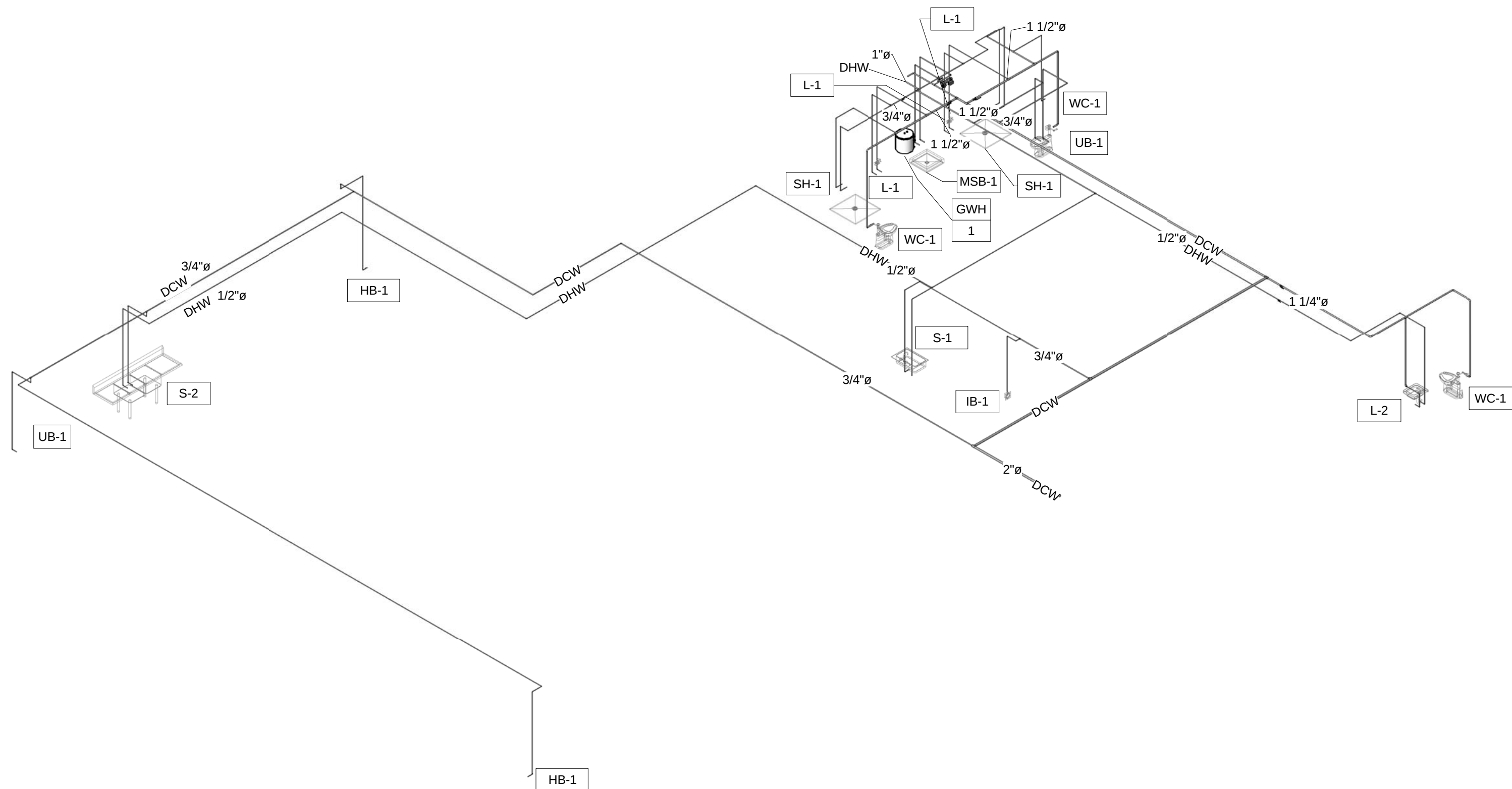
TITLE
**ENLARGED
PLUMBING SUPPLY
PLAN (SOUTH)**

SHEET NUMBER

P06



A PLUMBING WASTE AND VENT AXONOMETRIC
SCALE:



B PLUMBING SUPPLY AXONOMETRIC
SCALE:

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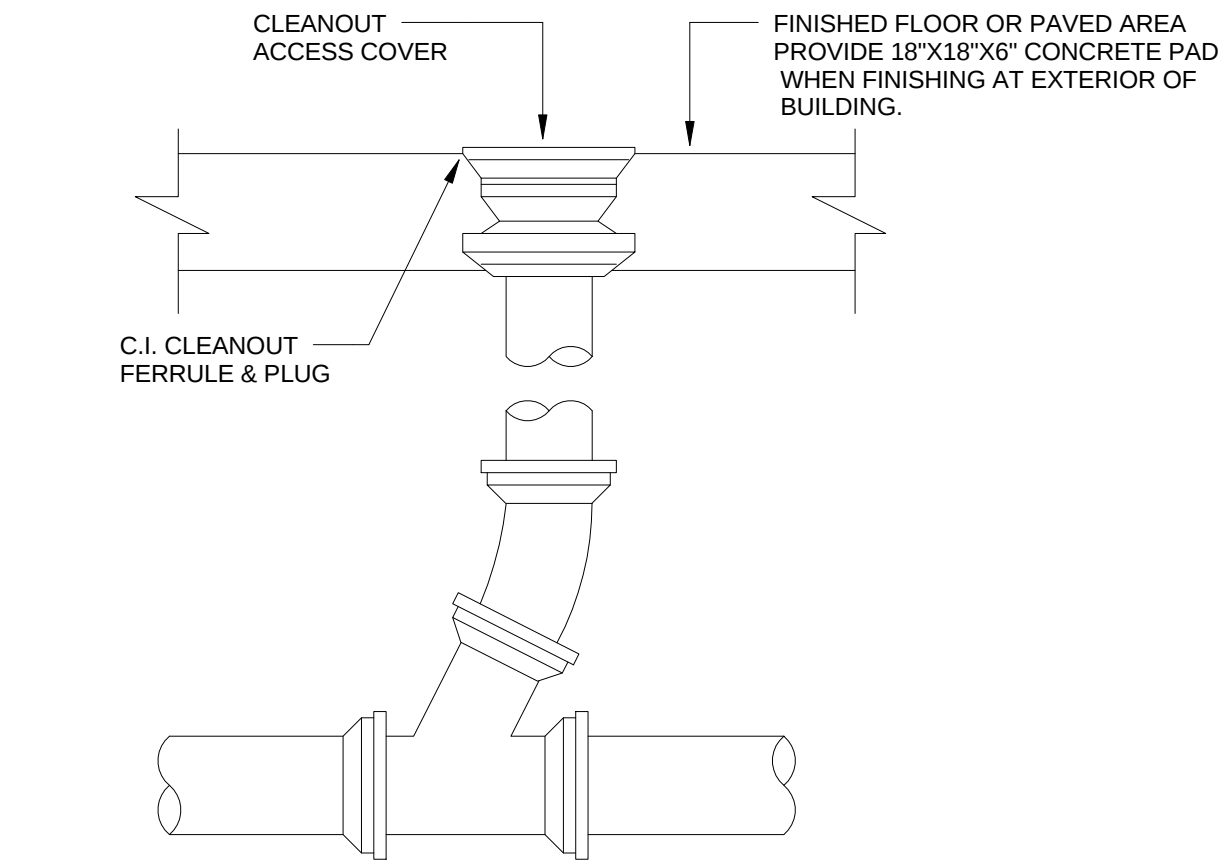
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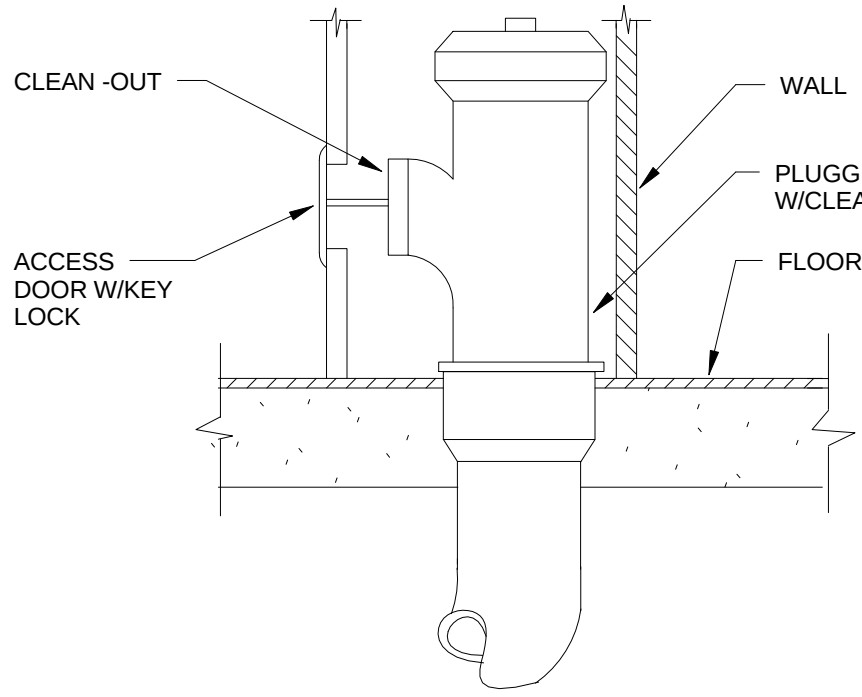
PROJECT NUMBER 1114-01
REVIEWED BY JKB
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TITLE
**PLUMBING
AXONOMETRICS**

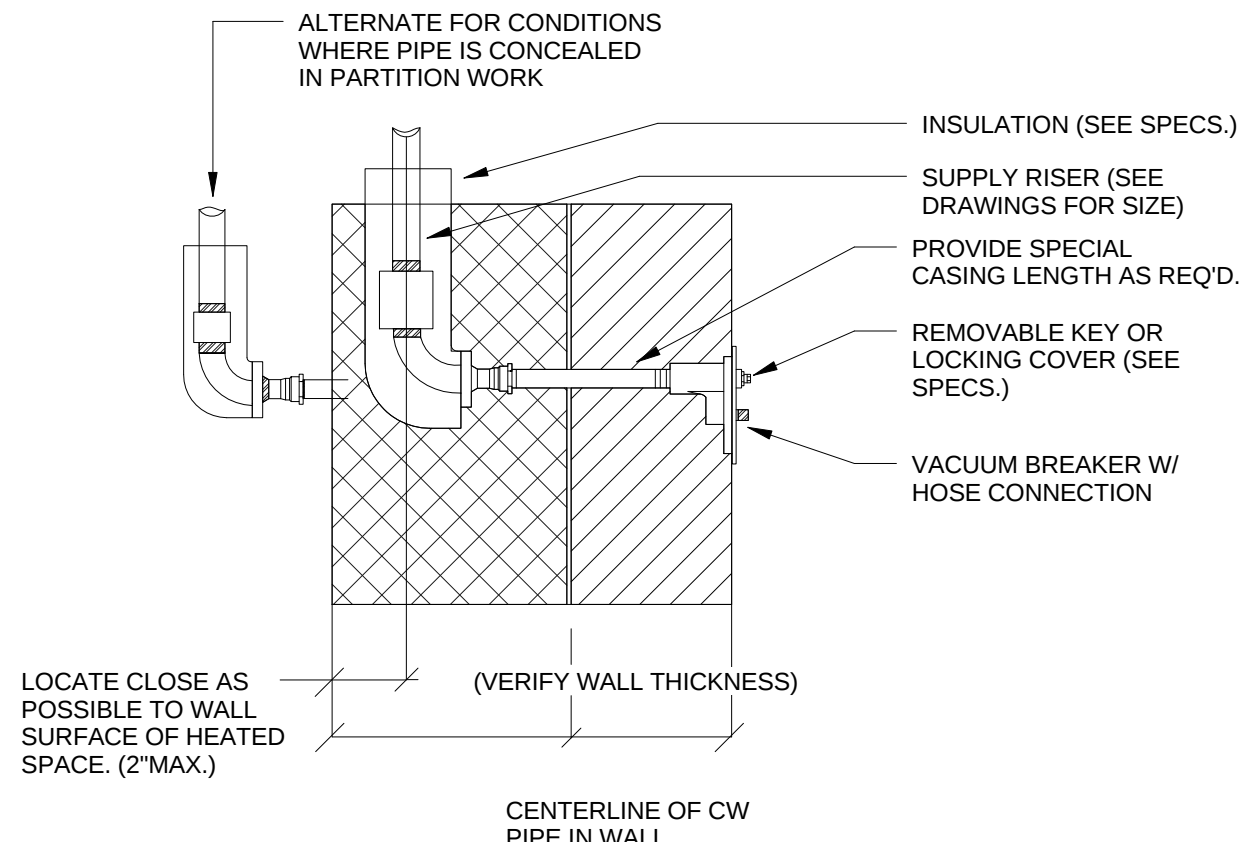
SHEET NUMBER
P07



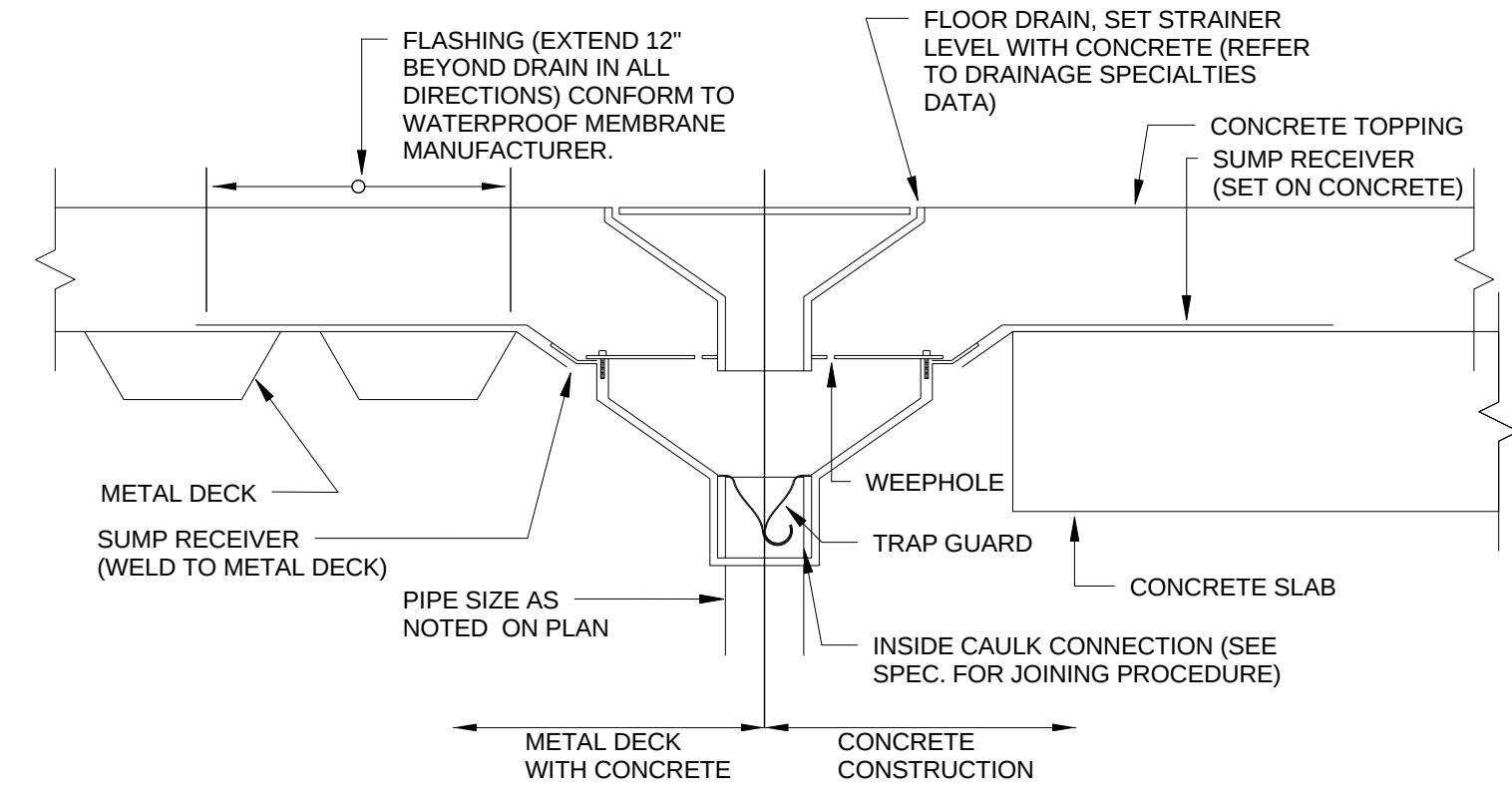
A FLOOR CLEANOUT
SCALE: SCALE: N.T.S.



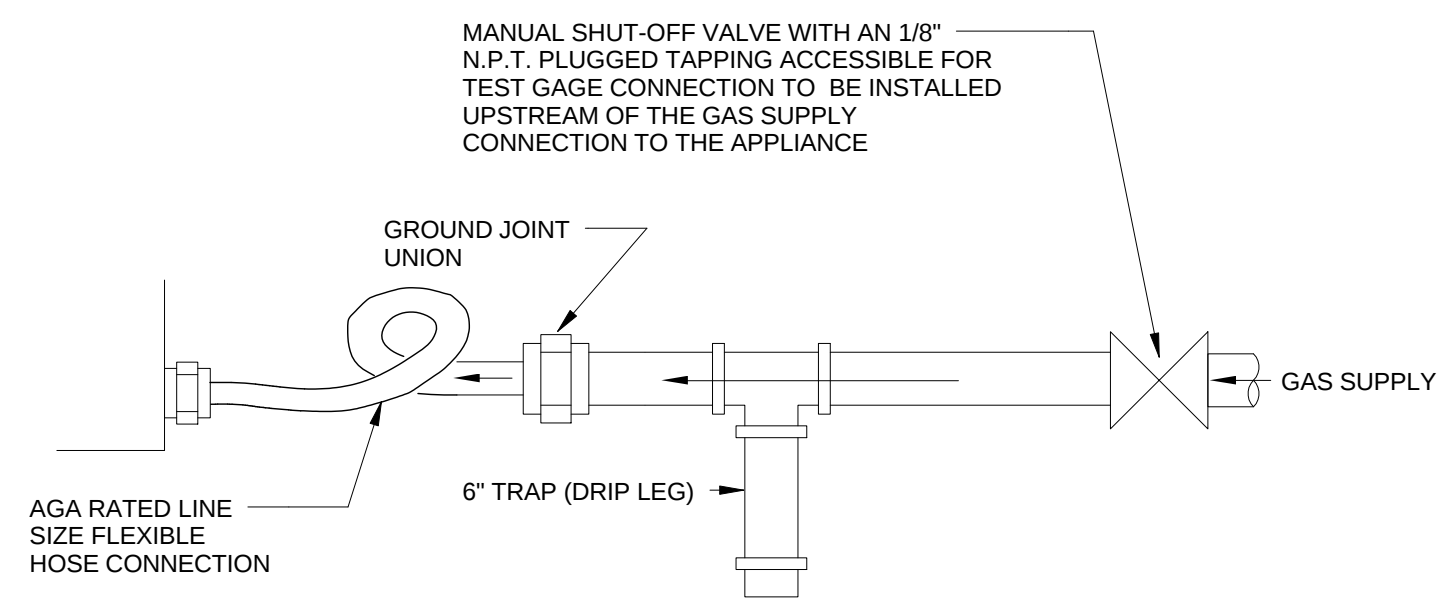
B WALL-STACK CLEANOUT
SCALE: SCALE: N.T.S.



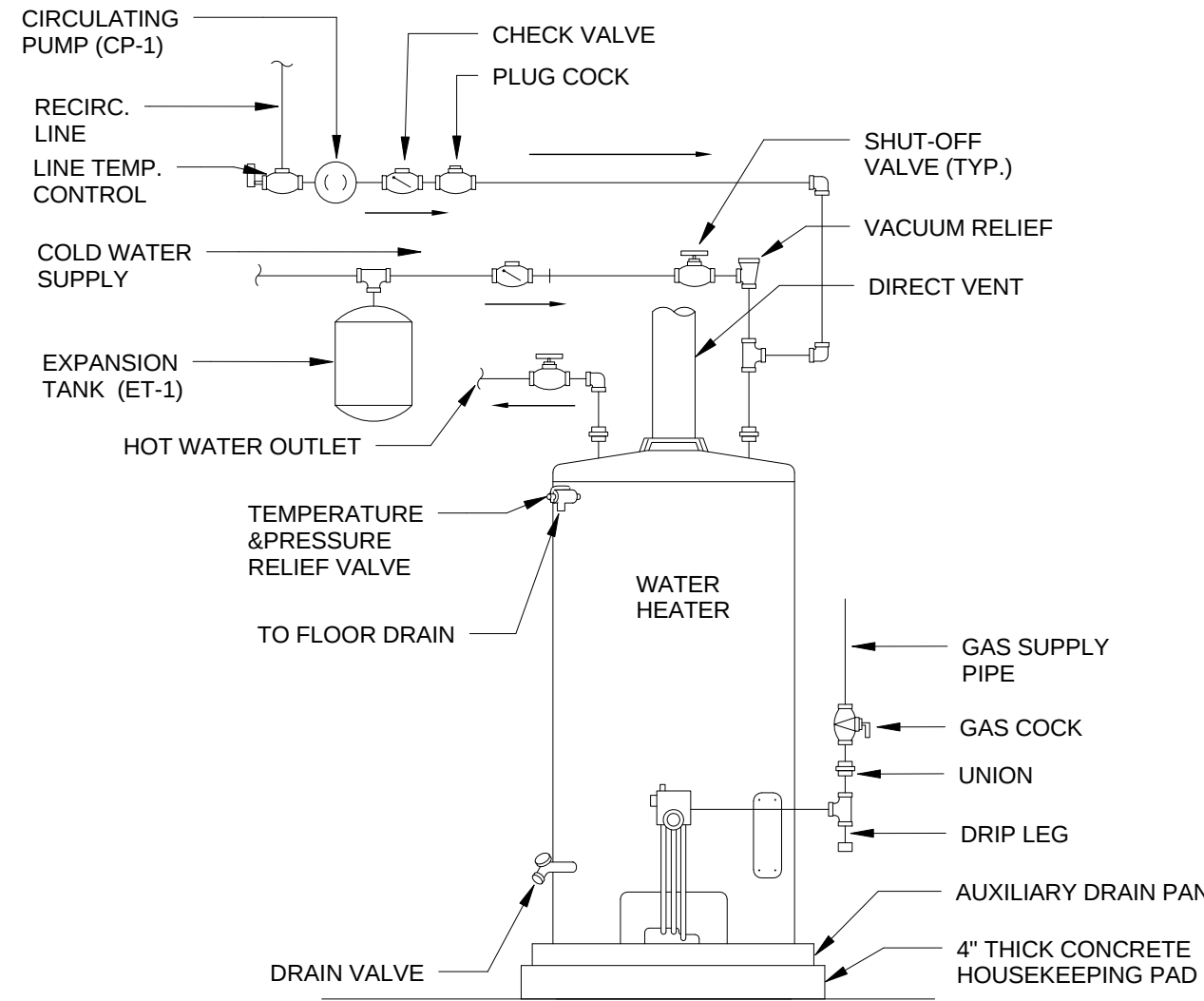
C FREEZE PROOF WALL HYDRANT
SCALE: SCALE: N.T.S.



D FLOOR DRAIN
SCALE: SCALE: N.T.S.

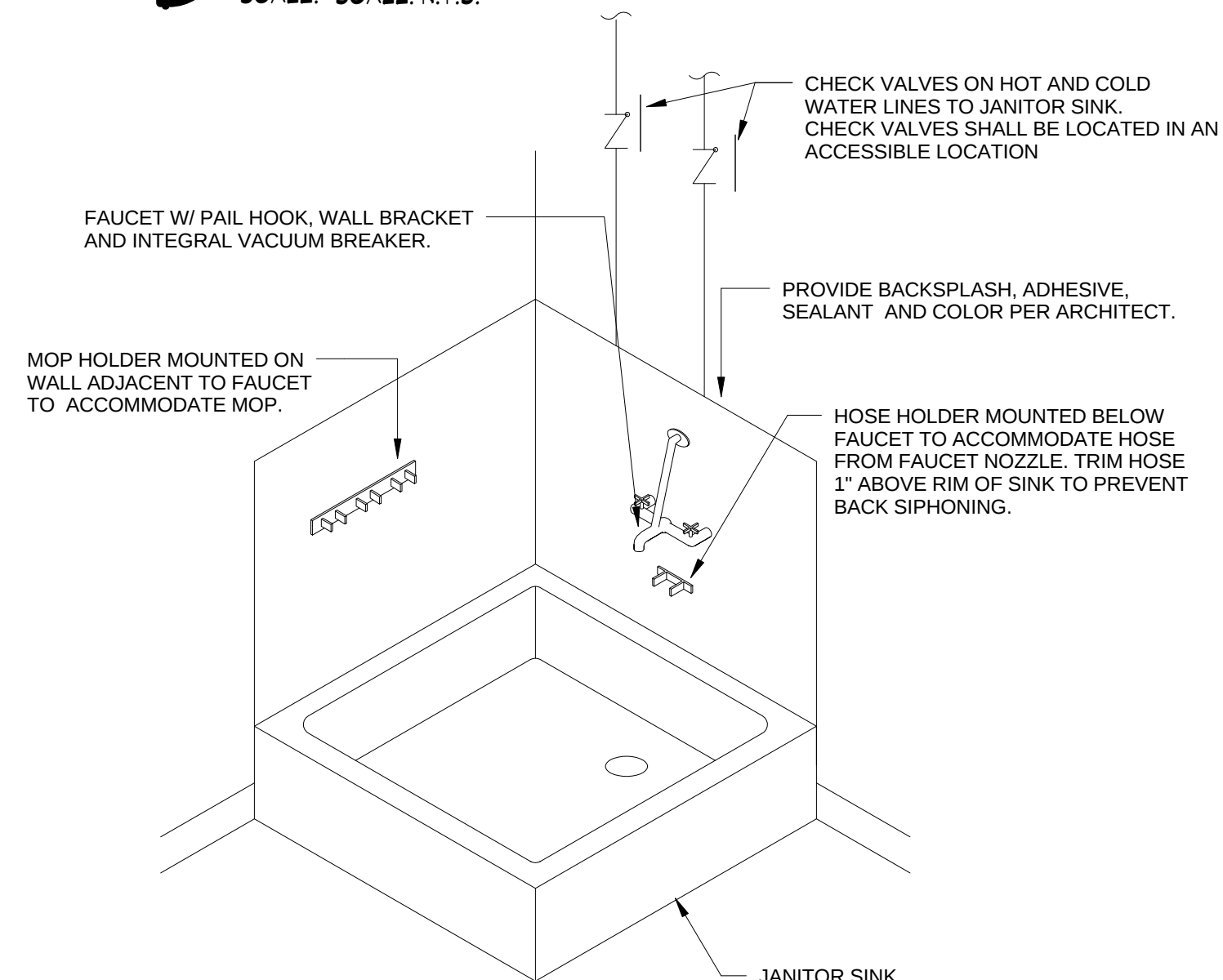


E TYPICAL GAS CONNECTION
SCALE: SCALE: N.T.S.



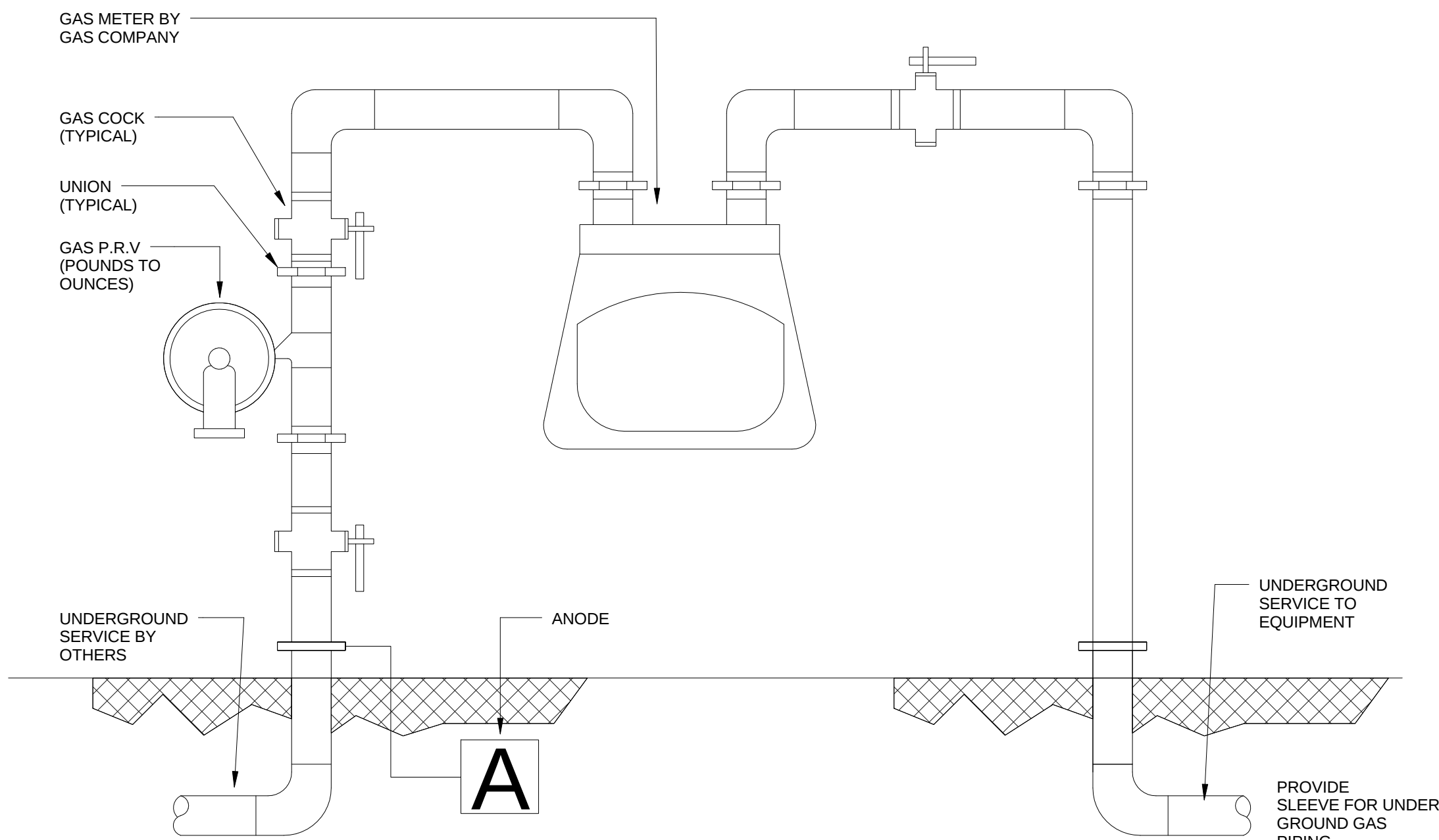
NOTE: ALL PIPING SHOWN IS DIAGRAMMATIC ONLY. ALL PIPING SHALL BE ROUTED IN FIELD TO MEET ACTUAL CONDITIONS.

F GAS WATER HEATER
SCALE: SCALE: N.T.S.



NOTE: STYLE AND TYPE OF JANITOR SINK MAY VARY.

G JANITORS SINK
SCALE: SCALE: N.T.S.



H GAS RISER WITH METER
SCALE: SCALE: N.T.S.

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PROJECT NUMBER 1114-01
REVIEWED BY JKB
DRAWN BY MBB
TITLE
PLUMBING DETAILS

SHEET NUMBER
P08

PLUMBING FIXTURE SCHEDULE															
TAG			WC-1	L-1	L-2	S-1	S-2	IB-1	UB-1	FD-1	MB-1	WCO-1	FCO-1	SH-1	
FIXTURE TYPE			WATER CLOSET	LAVATORY	LAVATORY	SINK	SINK	ICE MAKER BOX	UTILITY BOX	FLOOR DRAIN	MOP BASIN	WALL	FLOOR	SHOWER	
			FLOOR MOUNTED	UNDER COUNTER	WALL MOUNTED	SINGLE	2-COMP		RECESSED	6" ROUND		CLEANOUT	CLEANOUT	SHOWERHEAD	
					19"X17"	COMPARTMENT	18"x24"		STRAINER		ADJUSTABLE	TRIM ONLY			
MATERIAL			VITREOUS CHINA	VITREOUS CHINA	VITREOUS CHINA	STAINLESS STEEL	STAINLESS STEEL			CAST IRON BODY		CAST IRON BODY	CAST IRON BODY	BRASS	
COLOR			WHITE	WHITE	WHITE	SATIN FINISH				POL. BRONZE STR.		POL. SS COVER	POL. BRONZE TOP	POLISHED CHROME	
ADA COMPLIANT			YES	YES	YES	NO	YES		N/A	N/A		N/A	N/A	--	
MANUFACTURER			AMERICAN STD.	AMERICAN STD.	AMERICAN STD.	ELKAY	JUST	OATEY	GUY GREY	ZURN	ZURN	ZURN	ZURN	POWERS	
MODEL			MADERA 3461.001	OVALYN 9482.000	4867.004	DLSR272210	NSFB-236-24RL	38607	B-200	Z-415B	Z1996-24-SD-BS-WG-HH-MH	Z-1446	Z-1440	141-903A	
TRIM	VALVE	TYPE	MANUAL FLUSH VALVE	LAVATORY TEMPERING VALVE (ASSE 1070)	LAVATORY TEMPERING VALVE (ASSE 1070)	LAVATORY TEMPERING VALVE (ASSE 1070)	LAVATORY TEMPERING VALVE (ASSE 1070)		1/2" COLD SUPPLY 1/2" HOT SUPPLY					MIXING VALVE ASSE 1016 TYPE T/P WITH METAL LEVER HNDLS	
			MANUFACTURER	SLOAN	POWERS	POWERS	POWERS	POWERS					POWERS		
			MODEL	111-1.28 DFB	E480	LF6480	LF6480	LF6480					E707		
			FLOWRATE	1.28 GPF	0.5 GPM	0.5 GPM	0.5 GPM	0.5 GPM							
			FINISH	CHROME											
	CARRIER	MANUFACTURER			ZURN										
		MODEL			Z1231										
	SEAT	MANUFACTURER	AMERICAN STD.												
		MODEL	5905.110SS												
		FINISH	ANTI-MICROBIAL												
	FAUCET	TYPE		BATTERY POWERED SENSOR OPERATED FAUCET	MANUAL FAUCET RIGID GOOSENECK WRISTBLADE HDLS.	MANUAL FAUCET RIGID GOOSENECK WRIST BLADE HDLS.	MANUAL FAUCET 6" WRISTBALDES				MANUAL FAUCET SPOUT WITH PAIL HOOK CROSS HDLS			TYPE M WITH LEVER HANDLES SHOWER HEAD	
			MANUFACTURER		AMERICAN STD.	AMERICAN STD.	JUST	JUST			ZURN		POWERS		
			MODEL		6056.204	6532.175	JTR-50	JS-48-TA1			Z843M1-RC-XL		TYPE M		
			FLOWRATE		0.35 GPM	0.5 GPM	1.5 GPM	2.2 GPM							
	DRAIN	TYPE		CHROME	CHROME	CHROME	CHROME PLATED							CHROME	
			GRID STRAINER	GRID STRAINER	CRUMB CUP STRAINER	GRID STRAINER		2" DRAIN				STAINLESS STEEL			
			MANUFACTURER				JUST	JUST				DRAIN BODY			
			MODEL				JB-99	J-35-SSF							
	MISCELLANEOUS	FINISH		CHROME	CHROME	CHROME PLTD BRASS	STAINLESS STEEL								
												TAPERED	LEVELTROL	BASE:	
												THREADED PLUG		CREATIVE INDUSTRIES	
													TAPERED	FLORENTINE	
												ROUND STAINLESS	THREADED PLUG	SQUARE	
												STEEL COVER		SINGLE THRSHLD	
														WHITE	
WASTE & VENT		ABOVE GROUND	4"	2"	2"	2"	3"		2"	2"	3"	PER PLANS	PER PLANS	--	
ROUGH-IN SIZES - IN.		BELOW GROUND	4"	2"	2"	2"	3"		2"	2"	3"	--	--	2"	
		VENT	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	--	--	1 1/2"		
		COLD	1"	1/2"	--	1/2"	3/4"	1/2"	--	1/2"	--	--	1/2"		
WATER SUPPLY		HOT	--	1/2"	--	1/2"	3/4"		1/2"	--	1/2"	--	--	1/2"	
		ROUGH-IN SIZES - IN.	TEMPERED	--	--	1/2"	--		--	--	--	--	--	--	
		REMARKS				1,2	1	1,2							
REMARKS															
1. PROVIDE McGUIRE 155WC OFFSET CHROME PLATED CAST BRASS DRAIN, SEAMLESS BRASS TAILPIECE W/ CAST BRASS LOCKNUT, McGUIRE 8902 1 1/2" x 1 1/2" CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P TRAP W/ CLEANOUT PLUG, McGUIRE 170LK CHROME PLATED SOLID BRASS ANGLE STOPS W/ 5" CHROME PLATED COPPER EXTENSION TUBE & LOOSE KEY, FLEXIBLE CHROME PLATED COPPER RISERS, TRUEBRO LAV-GUARD PVC TYPE INSULATION AROUND "P" TRAP AND IPS CONNECTIONS															
2. INSTALL MIXING VALVE ABOVE CEILING IN ACCESSIBLE LOCATION. SET HOW WATER DELIVERY TO 110 DEG. F.															

GAS-FIRED DOMESTIC WATER HEATER		
TAG		GWH-1
MANUFACTURER		A.O SMITH
MODEL NO.		GCVT-60
ASME CONSTRUCTION (YES/NO)		NO
CAPACITY - GALLONS		60
RECOVERY - GPH AT 100 DEG. F. TEMPERATURE RISE		53
FUEL GAS	TYPE	NATURAL GAS
	INPUT - MBH	52.2
ELECTRICAL	VOLTAGE / PHASE / HZ	120 / 1 / 60HZ
	FULL LOAD AMPS	
	MAXIMUM OVERCURRENT PROTECTION	
REMARKS		1,2
REMARKS		
1. PROVIDE MANUFACTURER'S CONCENTRIC VENT TERMINAL		
2. PROVIDE EXPANSION TANK ET-1 WATTS PLT-20		
3. PROVIDE CIRCULATING PUMP, CP1 TACO 110 MODEL, BRONZE BODY, BRASS IMPELLER		



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JKB
DRAWN BY
MSB

TITLE
PLUMBING
SCHEDULES

SHEET NUMBER

PO9

Regular Board of Commissioners

9.

Meeting Date: 02/21/2017

Present Conflicts of Interest

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Presentation by City Attorney regarding conflict of interest.

Attachments

No file(s) attached.

Regular Board of Commissioners

10.

Meeting Date: 02/21/2017

Sales Tax 02-2017

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Acknowledge Sales Tax Report received February 2017.

Attachments

Sales Tax Rpt 02-2017



Date: February 8, 2017
TO: Mayor and Commissioners
From: Cynthia S. Arnold, Finance Director
Subject: February sales tax and use tax collections

Sales Tax Collections:

February deposit for sales tax was \$1,676,413 which will be divided to the following funds:

General	\$ 1,117,609
Capital Improvements	\$ 216,536
Street Fund	\$ 244,478
Economic Development	\$ 27,940
Police Sales Tax Fund	\$ 34,925
Fire Sales Tax Fund	\$ 34,925

Compared to February 2016 we were up \$71,211 or 4.44% compared to January 2015 we were up \$95,809 or 6.06%

For the fiscal year we are down \$ 53,097 or .44%

Use tax deposit in February for January collections was \$91,477

Use tax was down from last year 14.31 % for this fiscal year. (July-February)

We should see an increase in Use Tax the last couple of months of this fiscal year since Amazon will start collecting Oklahoma Sales tax starting March 1st. We are down year to date 14.31% but in dollars only \$150,000,

Comparison of Sales Tax:

	March 2014	March 2015	March 2016	Increase	(Decrease)
	through	through	through	Over Prior	
Month	February 2015	February 2016	February 2017	Amount	Percentage
March	1,265,687	1,292,781	1,316,044	23,263	1.80%
April	1,421,540	1,426,451	1,552,529	126,078	8.84%
May	1,394,972	1,466,536	1,493,399	26,863	1.83%
June	1,390,155	1,438,144	1,437,412	(732)	(0.05%)
July	1,477,552	1,442,218	1,475,520	33,302	2.31%
Aug	1,432,227	1,588,410	1,530,246	(58,164)	(3.66%)
Sept	1,426,359	1,494,203	1,490,836	(3,367)	(0.23%)
Oct	1,428,921	1,545,245	1,496,732	(48,513)	(3.14%)
Nov	1,374,143	1,426,192	1,468,286	42,095	2.95%
Dec	1,441,774	1,506,784	1,405,365	(101,420)	(6.73%)
Jan	1,499,067	1,546,951	1,558,709	11,758	0.76%
Feb	1,580,604	1,605,202	1,676,413	71,211	4.44%
Total	17,133,000	17,779,115	17,901,491	122,376	0.69%
		Prior Year	Current Year	Increase	(Decrease)
Fiscal Year to Date		12,155,204	12,102,107	(53,097)	(0.44%)

January Payment breakdown

Top sales tax codes: January collection report was not available at the time this was prepared.		December 2016	December 2015
Retail Trades	44-45	\$1,008,167	\$1,027,167
Accommodation and Food Service	72	\$249,297	\$234,590
Wholesale Trades	42	\$103,569	\$80,567
Utilities	22	\$58,160	\$67,375
Information	51	\$55,303	\$59,860
Manufacturing	31-33	\$28,951	\$13,319
Real Estate Rental & Leasing	53	\$19,701	\$24,315
Other Services	81\$	\$14,684	\$11,818
Unclassified	UNC	\$10,999	\$19,259
Arts & Entertainment	71	\$5,010	\$4,730
Professional	54	\$2,600	\$1,980
Misc		\$2,268	\$1,971
Total		\$1,558,709	\$1,546,951

Regular Board of Commissioners

11. a.

Meeting Date: 02/21/2017

Consider Bids Expo HVAC Open

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Shawnee Convention Center HVAC and Lighting Upgrade Project (Open)

Attachments

Expo HVAC Notice

Expo HVAC Notice Mailed to List

Expo HVAC Plan Holders List

NOTICE TO BIDDERS

Sealed bids will be received by the City of Shawnee, 9th & Broadway, P. O. Box 1448, Shawnee, Oklahoma, up to 4:00 p.m., Tuesday February 21, 2017 for:

Shawnee Convention Center HVAC and Lighting upgrade Project

Instructions and bid documents are available to qualified bidders at:

Don's Copiers Plus
1502 N. Beard
Shawnee, Oklahoma 74804
Phone 405-273-7755

Reidprographics
6800 N. Shartel
Oklahoma City, Ok 73116
asap@reidprographics.com
Phone 405-848-7274
Fax 405-848-0086

Instructions and Bid Documents can be viewed at:

The Shawnee EXPO Convention Center Office, 1700 W Independence Street Shawnee, Oklahoma 74801
8:00 am to 4:00 pm Monday – Friday.

A mandatory pre bid meeting will be held on February 2, 2017 at 10:30 am CST at the Shawnee EXPO Convention Center located at 1700 W Independence Street Shawnee, OK 74801.

Each bid shall be filed in a sealed envelope. On the front of each envelope shall be written the following words to the left of the address:

BID – Shawnee Convention Center HVAC and Lighting upgrade Project
February 21, 2017

The ORIGINAL bid shall be filed with the City Clerk of the City of Shawnee at **16 W. 9th Street**, together with a sworn non-collusion affidavit in writing that the bidder has not entered into any agreement, expressed or implied, with any other bidder, or bidders, for the purpose of limiting the bid, or bidders or parcel out to any bidder, or bidders or any other persons, any part of the contract or subject matter of the bid.

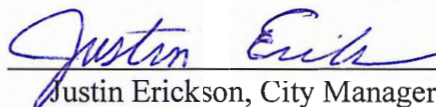
Bids will be opened and considered by the Board of City Commissioners at a Public Meeting in the City Hall Commission Chambers, 16 W. 9th Street Shawnee, Oklahoma 74801, at 6:30 p.m., Tuesday February 21, 2017.

The City of Shawnee reserves the right to reject any or all bids.



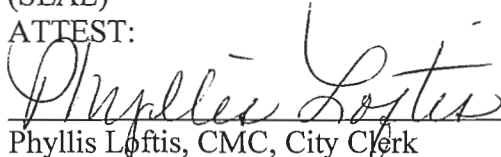
CITY OF SHAWNEE, A Municipal Corporation

By:


Justin Erickson, City Manager

(SEAL)

ATTEST:


Phyllis Loftis, CMC, City Clerk

EXPO HVAC Project
Advertisement list:

American A/C & Heating
212 W. Main St.
Shawnee, Oklahoma 74801
(405) 275-3223

AC Solutions of Shawnee
620 W. Ayers St.
Shawnee, Oklahoma 74801
(405) 481-7706

Sparks Heat & Air, Inc.
128 Summit Dr.
Shawnee, Oklahoma 74801
(405) 273-1521

Kizzia Heat & Air
624 Kickapoo Spur
Shawnee, Oklahoma 74801
(405) 273-6617

Sunbelt Heating and Air Conditioning
2020 E. MacArthur
Shawnee, Oklahoma 74804
(405) 273-5772

Watkins Heating and Air
21205 Bethel Rd.
Tecumseh, Oklahoma 74873
(405) 275-1974

B. P. Walker Heating & Air Conditioning, L.L.C.
1530 N Harrison St,
Shawnee, Oklahoma 74804
(405) 275-1122

Acock Climate Control LLC
700 E Gregory Ln, Shawnee, OK – 74804.
(405) 641-9204

Federal Mechanical
1900 NE 36th St
Oklahoma City, OK 73111

Don's Copiers Plus
1502 N. Beard
Shawnee, Oklahoma 74804
Phone 405-273-7755

Reidprographics
6800 N. Shartel
Oklahoma City, Ok 73116
HYPERLINK "<mailto:asap@reidprographics.com>" asap@reidprographics.com
Phone 405-848-7274
Fax 405-848-0086
3616 Northwest 58th
Southwest Construction News & Services
3616 Northwest 58th
Oklahoma City, Ok 73112
(405) 948-7474 HYPERLINK "<mailto:mark310@swcnews.com>" mark310@swcnews.com

Shawnee News Star

Rethford Electric
45801 Hardesty Rd.
Shawnee, OK 74801

All Phase Electric
901 N. Hobson St.
Shawnee, Ok 74801

Bob Genzer Electric
920 E. Wilson St.
Shawnee, OK 74801

Greg Rodgers Electrical Services
4307 Liberty Cir.
Shawnee, OK 74804

Marsh Electric LLC
39212 MacArthur St.
Shawnee, OK 74804

Shawnee Lighting Systems
PO Box 1146
Shawnee, OK 74802

AC – DC Electric
PO Box 38
Paden, OK 74860

Plan Holders list

Shawnee Convention Center HVAC & Lighting Upgrade

Ok Innovative Construction
276 N. Triple X
Choctaw, OK 73020
Johnny Fowler
405-201-8499

Innovative Power Solutions
4101 Richards Rd
North Little Rock, AR 72117
Joe Rice
501-851-9990

Cooley Construction
PO Box 54619
Oklahoma city, OK 73154
Vickie Guy
405-528-8093

Construct Connect
30 Technology Parkway South Suite 100
Norcross, GA 30092
Kathrine Rose Locsin
323-602-5079

Johnson Controls
4730 SW 20th Street
Oklahoma City, OK 73128
William Jacobs
405-688-3770

Shawnee Lighting Systems
PO Box 1146
Shawnee, OK 74802
Billy Odell
405-275-7275

Reidprographics
6800 N. Shartel
Oklahoma City, Ok 73116
asap@reidprographics.com
Phone 405-848-7274
Fax 405-848-0086

Don's Copiers Plus
1502 N. Beard
Shawnee, Oklahoma 74804
Phone 405-273-7755

Marsh Electric LLC
39212 MacArthur St.
Shawnee, OK 74804

Regular Board of Commissioners

14.

Meeting Date: 02/21/2017

Enter ES

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Consider an Executive Session for discussion and possible action on litigation pending against the City of Shawnee by Loran Greenlee (Workers Compensation Court Case No. 2003-3253R) as authorized by 25 O. S. §307(B)(4) on the recommendation of counsel that public discussion would impair the ability of the City Attorney to adequately defend the City.

Attachments

No file(s) attached.

Regular Board of Commissioners

15.

Meeting Date: 02/21/2017

Discuss ES

Submitted By: Lisa Lasyone, City Clerk

Department: City Clerk

Information

Title of Item for Agenda

Consider matters discussed in Executive Session regarding pending against the City of Shawnee by Loran Greenlee (Workers Compensation Court Case No. 2003-3253R) as authorized by 25 O. S. §307(B)(4) on the recommendation of counsel that public discussion would impair the ability of the City Attorney to adequately defend the City.

Attachments

No file(s) attached.
